

OpenFrame Error Message Reference Guide

OpenFrame/Base v7.0, Batch v7.0, OSC v7.0, TACF v7.0



Copyright © 2015 TmaxSoft Co., Ltd. All Rights Reserved.

Copyright Notice

Copyright © 2015 TmaxSoft Co., Ltd. All Rights Reserved.

5, Hwangsaeul-ro 329beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea

Restricted Rights Legend

All TmaxSoft Software (Tmax OpenFrame®) and documents are protected by copyright laws and international convention. TmaxSoft software and documents are made available under the terms of the TmaxSoft License Agreement and may only be used or copied in accordance with the terms of this agreement. No part of this document may be transmitted, copied, deployed, or reproduced in any form or by any means, electronic, mechanical, or optical, without the prior written consent of TmaxSoft Co., Ltd.

Nothing in this software document and agreement constitutes a transfer of intellectual property rights (regardless of whether or not such rights are registered) or any rights to TmaxSoft trademarks, logos, or any other brand features.

This document is for information purposes only. The company assumes no direct or indirect responsibilities for the contents of this document, and does not guarantee that the information contained in this document satisfies certain legal or commercial conditions.

The information contained in this document is subject to change without prior notice due to product upgrades or updates. The company assumes no liability for any errors in this document.

Trademarks

Tmax® and Tmax OpenFrame® are a registered trademark of TmaxSoft Co., Ltd. Other products, titles or services may be registered trademarks of their respective companies.

Open Source Software Notice

Document Information

Document Name: OpenFrame Error Message Reference Guide

Document Created: 2015-07-21

Software Version: OpenFrame/Base v7.0, Batch v7.0, OSC v7.0, TACF v7.0

Document Version: v2.1.1

Table of Contents

About This Document	v
Chapter 1. Error Code Base	1
1.1. Discrete Modules	1
1.2. Collective Modules	2
Chapter 2. Discrete Modules	3
2.1. Non-VSAM (-0)	3
2.2. TSAM (-1000)	11
2.3. DSIO (-2000)	24
2.4. ICF (-3000)	33
2.5. AMS (-4000)	38
2.6. DSALC (-5000)	44
2.7. VOLM (-6000)	61
2.8. LOCKM (-7000)	68
2.9. PGMDD (-8000)	75
2.10. TJES (-9000)	77
2.11. AMSX (-10000)	89
2.12. SMS (-11000)	93
2.13. DSCOM (-12000)	96
2.14. SPOOL (-13000)	99
2.15. CPMLIB (-15000)	102
2.16. MVSSYS (-16000)	104
2.17. SAF (-17000)	105
2.18. TACF (-18000)	114
2.19. HiDB (-20000)	122
2.20. OFCOM (-22000)	137
2.21. SAFX (-23000)	145
2.22. SAFO (-24000)	147
2.23. SAF BAT (-26000)	147
2.24. MEMM (-27000)	148
2.25. TLIC (-28000)	150
2.26. TTREE (-29000)	152
2.27. IMS (-30000)	154
2.28. SVRCOM (-32000)	160
2.29. OUTQ (-33000)	166
2.30. CONSOLE (-34000)	169
2.31. SPIO (-36000)	174
2.32. SMF (-93000)	177
Chapter 3. Collective Modules	181
3.1. OSCSVR (-57000)	181

3.2. OSC (-50000)	192
Index	253

About This Document

Intended Audience

This document is intended for programmers and system engineers who intend to work with OpenFrame. It describes errors that may occur in Tmax OpenFrame[®] and how to handle such errors.

Required Knowledge

There is no knowledge that is required to understand this document.

Document Scope

This guide lists and describes the error codes for nearly all of the supported modules in TmaxSoft OpenFrame. However, it does not contain the errors from OFAdmin which provides the GUI interface for OpenFrame/OSC and OpenFrame/Batch .

Document Organization

This document consists of three chapters:

- Chapter 1: Error Code Base

A basic table of contents. This chapter lists and describes the different discrete and collective modules and then provides the range of error code numbers associated with them.

- Chapter 2: Discrete Modules

Provides information about errors that occur in the discrete modules and suggests corrective actions.

- Chapter 3: Collective Modules

Provides information about errors that occur in the collective modules and suggests corrective actions.

Conventions

Convention	Meaning
<AaBbCc123>	Program source code file name, directory
<Ctrl>+C	Press Ctrl and C simultaneously
[Button]	GUI button or menu name
Bold	Emphasis
" "(Double quotations)	Reference to a related guide, or a chapter or section within the guide
'Input'	Input field in screen UI
Hyperlink	E-mail account, website, reference to other chapters or sections
>	Proceeding order of menu
+----	Directories or files exist below this directory
----	Directories or files do not exist below this directory
<hr/> Note <hr/>	Reference or caution
[Figure 1.1]	Figure caption
[Table 1.1]	Table caption

Related Documents

Guide	Description
OpenFrame TJES Guide	Describes how to manage Batch JOBS in OpenFrame systems.
OpenFrame Batch Guide	Describes overall features of OpenFrame/Batch.
OpenFrame Base Guide	Describes overall features of OpenFrame/Base.
OpenFrame Dataset Guide	Introduces OpenFrame datasets and describes the different types of datasets and cataloging methods.
OpenFrame OSC Administrator's Guide	Describes information necessary for the OSC system administration.
Tibero TSAM Guide	Introduces TSAM as a VSAM equivalent solution. Includes descriptions regarding TSAM dataset types, dataset management, and dataset processing methods.

References

Product	Guides
Tmax	Administration Guide
	Error Message Reference
	FDL Reference Manual
Oracle	Error Message Reference

Contact Information

Korea

TmaxSoft Co., Ltd.
5, Hwangsaeul-ro 329beon-gil, Bundang-gu,
Seongnam-si, Gyeonggi-do, 463-824
South Korea
Tel: +82-31-8018-1000
Fax: +82-31-8018-1115
Email: info@tmax.co.kr
Web (Korean): <http://www.tmaxsoft.com>
TechNet: <http://technet.tmaxsoft.com>

USA

TmaxSoft Inc.
101 N. Wacker Drive Suite 2014,
Chicago, IL 60606
U.S.A
Tel: +1-312-525-8330
Email: info@tmaxsoft.com
Web (English): <http://us.tmaxsoft.com>

Japan

TmaxSoft Japan Co., Ltd.
5F Sanko Bldg, 3-12-16 Mita, Minato-Ku, Tokyo, 108-0073
Japan
Tel: +81-3-5765-2550
Fax: +81-3-5765-2567
Email: info@tmaxsoft.co.jp
Web (Japanese): <http://www.tmaxsoft.co.jp>

China

Beijing TmaxSoft System Software Co., Ltd.
Room103, No.2 Huizhong Building, Seven Street Shangdi,
Haidian District, Beijing, 100085
P.R.China
Tel: +86-10-6298-8827
Email: info@tmaxsoft.com.cn
Web (Chinese): <http://cn.tmaxsoft.com>

Brazil

Tmax Brasil Sistemas e Serviços Ltda.
Av. Copacabana, 177, sala 32~35 Empresarial 18 do Fortel
Alphaville Barueri, Sao Paulo, 06472-001
Brazil
Tel: +55-11-4191-3100
Fax: +55(11) 4191-3705 (extension#112)
Email: info.bra@tmaxsoft.com
Web (Portuguese): <http://br.tmaxsoft.com>

Russia

Tmax Rus L.L.C.
Grand Setun Plaza, No A204 Gorbunova st.2,
Moscow, 121596
Russia
Tel: +7(495)970-01-35
Email: info.rus@tmaxsoft.com
Web (Russian): <http://ru.tmaxsoft.com>

Singapore

Tmax Singapore Pte. Ltd.
430 Lorong 6, Toa Payoh #10-02,
OrangeTee Building, 319402
Singapore
Tel: +65-6259-7223
Fax: +65-6258-7112
Email: info.sg@tmaxsoft.com
Web (English): <http://www.tmaxsoft.com>

United Kingdom

TmaxSoft UK Ltd.
(Kingston Office) Surrey House, Suite 221, 34 Eden Street,
Kingston-Upon-Thames, KT1 1ER
(Canary Wharf Office) Level39, 1 Canada Square, Canary Wharf, E14 5AB
United Kingdom
Tel: +44-(0)20-8481-3776, +44(0)203-668-3628
Fax: +44-203-092-4681
Email: info.uk@tmaxsoft.com
Web (English): <http://www.tmaxsoft.com>

Chapter 1. Error Code Base

1.1. Discrete Modules

Error code base	Module name	Module description
-0	Non-VSAM	This module manages non-VSAM datasets and handles I/O.
-1000	TSAM	This module manages VSAM datasets and handles I/O.
-2000	DSIO	This module provides standardized interfaces for all datasets.
-3000	ICF	This module provides an integrated catalog function.
-4000	AMS	This module manages creation and deletion of datasets and manages catalog functions.
-5000	DSALC	This module handles allocations for datasets.
-6000	VOLM	This module shows information for volumes and manages VTOC.
-7000	LOCKM	Lock server client module.
-8000	PGMDD	This module searches the allocated dataset by DD name.
-9000	TJES	This module manages batch jobs.
-10000	AMXS	This module manages datasets including dataset allocations.
-11000	SMS	This module provides functions such as SMS and ACS.
-12000	DSCOM	This is the dataset common library module.
-13000	SPOOL	This module manages the creation/deletion/backup/restoration of SPOOL datasets.
-15000	CPMLIB	This module manages code page conversions.
-16000	MVSSYS	This module handles JES commands.
-17000	SAF	This module manages OpenFrame system security.
-18000	TACF	This module manages user authentication and resource access control.

Error code base	Module name	Module description
-20000	HiDB	This is the hierarchical database that replaces the mainframe IMS/DB or ADM/DB within the new open environment system.
-22000	OFCOM	This is the OpenFrame common library module.
-23000	SAFX	This module provides an interface between SAF, the OpenFrame system security module, and the authentication server.
-24000	SAFO	This module provides an interface between SAF, the OpenFrame system security module, and online products.
-26000	SAF BAT	This module provides an interface between SAF, the OpenFrame system security module, and Batch.
-27000	MEMM	This module allocates and manages dynamic memory.
-28000	TLIC	This module checks OpenFrame licenses.
-29000	TTREE	This module uses a tree structure to manage memory.
-30000	IMS	This module manages control blocks in HiDB.
-32000	SVRCOM	This is the Tmax Server common library module.
-33000	OUTQ	This module manages output queues.
-34000	CONSOLE	This module provides OpenFrame console functions.
-36000	SPIO	This module manages SPOOL datasets and handles I/O.
-93000	SMF	This module manages the SMF log files that record the output of various services.

1.2. Collective Modules

Error code base	Module name	Module Description
-50000	OSC	OSC (Online System type C) module.
-57000	OSCSVR	OSC server module.

Chapter 2. Discrete Modules

2.1. Non-VSAM (-0)

The Non-VSAM module is responsible for managing non-VSAM datasets and I/O to datasets. This section lists error codes that can occur in the Non-VSAM module, descriptions of the errors and suggested corrective actions, and in some cases, references for more information.

NVSM_ERR_NOT_FOUND (-301)

Description	This error occurs when no records are found that correspond to a given key value.
Action	Check whether the key value is correctly configured.

NVSM_ERR_END_OF_FILE (-302)

Description	This EOF error occurs during sequential reading of a non-VSAM dataset.
Action	Check that valid logic exists for when an application reaches EOF.

NVSM_ERR_MEMORY_ALLOC (-303)

Description	A memory allocation failure occurred.
Action	Check whether there is sufficient memory space in the system.

NVSM_ERR_NOT_IMPLEMENTED (-304)

Description	This error occurs when trying to use an ISAM that is not supported by OpenFrame Non-VSAM.
Action	Use VSAM.

NVSM_ERR_NOT_ALLOWED (-305)

Description	This error occurs when the I/O mode, DSORG, or DEVTYP (device type) is incorrectly configured for a submitted job.
Action	Check whether I/O mode, DSORG or DEVTYP is correctly configured.

NVSM_ERR_INVALID_REQUEST (-306)

Description	This error occurs when an invalid DCB value or mode is configured in Non-VSAM.
Action	Check whether the DCB value or mode is correctly configured.

NVSM_ERR_INVALID_FILELIST (-307)

Description	This error occurs when a user attempts to OPEN a dataset and the file structure list which contains non-VSAM dataset information is not configured.
Action	Specify the file structure list.

NVSM_ERR_INVALID_FILE (-308)

Description	This error occurs when a user attempts to CREATE, ERASE, RENAME, or STAT a dataset and the file structure which includes non-VSAM dataset information is not specified.
Action	Specify the file structure.

NVSM_ERR_INVALID_DSNAME (-401)

Description	This error occurs when a user attempts to RENAME a dataset and a new name is not assigned for the dataset to be changed.
Action	Rename the dataset to be changed.

NVSM_ERR_INVALID_STAT (-402)

Description	This error occurs when a user performs a STAT command for a dataset, but the structure which contains dataset information is not specified.
--------------------	---

Action	Specify the structure to contain dataset information.
---------------	---

NVSM_ERR_INVALID_FD (-501)

Description	This error occurs when the file descriptor specified for non-VSAM dataset is invalid.
Action	Check whether OPEN is successfully executed on a non-VSAM dataset.

NVSM_ERR_MAX_FILES (-502)

Description	This error occurs when exceeding the maximum number of non-VSAM datasets that can be concurrently opened.
Action	Try to execute OPEN again after closing unused datasets.

NVSM_ERR_INVALID_ADDR (-503)

Description	This error occurs when a user attempts to FIND a dataset with an address and the address value is out of the scope of the BLDL list.
Action	Check whether the address value does not exceed the number of BLDL lists.

NVSM_ERR_MEMBER_NOT_FOUND (-504)

Description	This error occurs when a user attempts to FIND a dataset with a member name and a member starting with the given string is not found.
Action	Check whether the given string used for the member name is correct.

NVSM_ERR_INVALID_BLDL (-505)

Description	This error occurs when a user attempts to FIND a dataset with an address and the BLDL list is not found.
Action	Before executing FIND, check whether the BLDL command has been executed.

NVSM_ERR_MEMBER_DUPLICATE (-506)

Description	This error occurs when a user performs a STOW command and the member to be added already exists.
Action	Delete the existing member or change the name of new member to be added.

NVSM_ERR_SMALL_BUFFER_SIZE (-507)

Description	This error occurs when the internal buffer size of NVSM is smaller than LRECL.
Action	Increase the size of NVSM_BUFFER_SIZE in ds.conf.

NVSM_ERR_STOW_CHANGE_PARM (-508)

Description	This error occurs when a CHANGE command is executed with an invalid parameter type in a STOW program.
Action	Check whether the parameter type is valid.

NVSM_ERR_INVALID_BUF_SIZE (-601)

Description	This error occurs when a user performs a GET (READ) command and the length of the data buffer is smaller than that of the record.
Action	Modify the length of the data buffer to be at least as long as file's record length.

NVSM_ERR_INVALID_KEY (-602)

Description	This error occurs when a user performs a READ or WRITE command using BDAM and a key parameter is not specified.
Action	Check whether the key parameter is specified.

NVSM_ERR_GET_RDW_FAIL (-603)

Description	This error occurs when failing to read RDW (Record Description Word) information.
Action	Check whether it is a valid variable length dataset.

NVSM_ERR_PUT_RDW_FAIL (-604)

Description	This error occurs when failing to store RDW information.
Action	Check whether there is sufficient space.

NVSM_ERR_PUTX_RECORD_NUM (-605)

Description	This error occurs when PUTX (REWRITE) is performed for two or more records.
Action	Check whether there are more than two records to perform PUTX (REWRITE) on.

NVSM_ERR_NOT_END_WITH_NEWLINE (-606)

Description	This error occurs if \n is not found at the end of the record when RECFM is an L type (Line Sequential) and the specified mode is Move Mode.
Action	Add \n to the end of the record.

NVSM_ERR_LOCATE_FAIL (-607)

Description	This internal buffer error occurs while attempting to PUTX (REWRITE).
Action	Contact the TmaxSoft technical support team.

NVSM_ERR_INVALID_GET_RECL (-608)

Description	This error occurs when the length of the most recent record read by GET (READ) is not found.
Action	Check whether GET (READ) has been executed immediately before calling PUTX (REWRITE).

NVSM_ERR_SIZE_LIMIT_OVER (-609)

Description	This error occurs when the current dataset size exceeds the available space.
Action	Check the DCB SPACE information to determine if the program's I/O operation for the dataset results in an endless loop.

NVSM_ERR_PUTX_SIZE (-610)

Description	This error occurs when the length of the record to PUTX(REWRITE) does not match the length of the last read record.
Action	Make sure the length of the record to PUTX matches the length of the last read record.

NVSM_ERR_PUT_MULTIPLE_RECORDS (-611)

Description	This error occurs when the record type is L and multiple records are included in one PUT(WRITE) action.
Action	Write only one record in each action.

NVSM_ERR_WRITE_LEGTH (-612)

Description	This error occurs when the record is written with a proper length.
Action	Retry the action.

NVSM_ERR_OUTLIM_OVER (-613)

Description	This error occurs when an output that takes place in the spool exceeds the OUTLIM configuration.
Action	Check the configuration of OUTLIM in tjclrun.conf or JCL.

NVSM_ERR_SYSTEM_CREAT (-900)

Description	This error occurs when the creat() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_UNLINK (-901)

Description	This error occurs when the unlink() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_RENAME (-902)

Description	This error occurs when the rename() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_OPENDIR (-903)

Description	This error occurs when the opendir() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_MKDIR (-904)

Description	This error occurs when the mkdir() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_RMDIR (-905)

Description	This error occurs when the rmdir() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_ACCESS (-906)

Description	This error occurs when the access() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_OPEN (-910)

Description	This error occurs when the open() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_READ (-911)

Description	This error occurs when the read() system call fails.
--------------------	--

Action	Check the system call error messages displayed in SPOOL.
---------------	--

NVSM_ERR_SYSTEM_WRITE (-912)

Description	This error occurs when the write() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_LSTAT (-913)

Description	This error occurs when the lstat() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_LSEEK (-914)

Description	This error occurs when the lseek() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_CLOSE (-915)

Description	This error occurs when the close() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_FOPEN (-920)

Description	This error occurs when the fopen() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_FREAD (-921)

Description	This error occurs when the fread() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_FWRITE (-922)

Description	This error occurs when the fwrite() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_POPEN (-930)

Description	This error occurs when the popen() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_PCLOSE (-931)

Description	This error occurs when the pclose() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_LOCALTIME (-940)

Description	This error occurs when the localtime() system call fails.
Action	Check the system call error messages displayed in SPOOL.

NVSM_ERR_SYSTEM_SIGNAL (-950)

Description	This error occurs when the signal() system call fails.
Action	Check the system call error messages displayed in SPOOL.

2.2. TSAM (-1000)

The TSAM module is responsible for managing VSAM datasets and I/O to datasets. This section lists error codes that can occur in the TSAM module, descriptions of the errors, suggested corrective actions, and in some cases, references for more information.

TSAM_ERR_DUPLICATE_RECORD (-1001)

Description	This error occurs when trying to add a record to a KSDS or RRDS dataset and the record already exists with an identical record identifier.
Action	Handle the error based on the requirements of the application. If necessary, modify the application logic and the data.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_DUPLICATE_KEY (-1002)

Description	This error occurs when there are more records to read sequentially from the dataset with the same key value, where the key is a non-unique alternate index path.
Action	Handle the error according to the requirements of the application. If there are more records with the same alternate key, use the READ NEXT option for a sequential read. To disregard the records which have the same alternate key, perform direct access with the READ option after resetting the key.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_NOT_FOUND (-1003)

Description	This error occurs when records corresponding to specified record identifier are not in the dataset.
Action	Handle the error according to the requirements of the application.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_END_OF_FILE (-1004)

Description	This error occurs during a sequential read operation when going beyond the end of the dataset (READ NEXT) or beyond the beginning of the dataset (READ PREV).
Action	Handle the error according to the requirements of the application.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_RECORD_LOCKED (-1005)

Description	This error occurs when the record to READ for an UPDATE or REWRITE with the NOSUSPEND option is already locked by another application.
Action	Check if applications that should not run simultaneously are running simultaneously, and if being run simultaneously is intended, remove the NOSUSPEND option and change the application so that the TSAM will wait and resolve the situation.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_RECORD_BUSY (-1006)

Description	This error occurs when a record to READ with the NOSUSPEND option is already locked by another application.
Action	Remove the NOSUSPEND option and change the application so that the TSAM will wait and resolve the solution, or try READ again after a few minutes.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_LENGTH_ERROR (-1007)

Description	This error occurs when trying to save a record to a fixed length dataset that has a length different from the fixed record length in the dataset definition (DEFINE) or when trying to save a record to a variable length dataset that is longer than the maximum length of the record defined in the dataset definition.
Action	Adjust the record buffer length transmitted to the application's write, or redefine the dataset definition if the problem is with the dataset definition.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_INVALID_REQUEST (-1008)

Description	This error occurs when parameters submitted to use with the TSAM API are not valid.
Action	Revise the application.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_NOT_ALLOWED (-1009)

Description	This error occurs when using actions not approved by the open mode, the mode for setting the dataset as OPEN. For example, making the dataset OPEN using Read Only and attempting WRITE.
Action	Revise the application restrict the use of actions that are not approved by open mode.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_NO_SPACE (-1010)

Description	This error occurs when the storage space for a dataset is insufficient.
Action	Check the available table space for the TSAM dataset and available disk space in the file system.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_MEMORY_ALLOC (-1011)

Description	This error occurs when additional applications cannot be executed due to a lack of memory.
Action	Check if there is a memory leak in the application and if the application mistakenly requests an invalid memory size (negative value). Check if the memory limit is too low.

TSAM_ERR_IO_FAILURE (-1012)

Description	This error occurs while performing disk I/O.
Action	Contact the system administrator.

TSAM_ERR_INVALID_OPERATION (-1013)

Description	This error occurs when trying to perform an action that is not possible due to the dataset structure. For example, this error occurs when trying to delete a record from an ESDS type dataset.
--------------------	--

Action	Since the requested operation is not supported in the dataset structure, revise the application to not use the problematic function call.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_INTERNAL (-1015)

Description	This internal TSAM server error usually occurs when table space for storing TSAM datasets has not been created in the volume, or when the VVDS table does not exist in the volume. Other internal server errors, with unclassified types, return this error code.
Action	Create the required table space. If a WDS table does not exist, register the volume using the voladd tool. When an internal server error with an unclassified type occurs, contact the TmaxSoft technical support team.

TSAM_ERR_NOT_IMPLEMENTED (-1016)

Description	This error occurs when trying to use a function that is currently not supported.
Action	Revise the application to not use the unsupported function. If this solution isn't possible, contact the TmaxSoft technical support team.

TSAM_ERR_INVALID_CONN_ID (-1101)

Description	This error occurs when a connection ID that has not been connected is given to the TSAM API as a connection ID value.
Action	Revise the application.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_MAX_CONNECTIONS (-1102)

Description	This error occurs when the number of <code>tsam_connect()</code> requests exceeds the maximum number of simultaneous connections.
Action	When the TSAM server's max session number is less than required, increase the value. Check if the application is creating connections without closing them, and then revise the application. In order to close an unused connection, use the <code>tsam_disconnect()</code> function.

Reference	Refer to the "Tibero TSAM Guide."
------------------	-----------------------------------

TSAM_ERR_DUPLICATE_CONN_ID (-1103)

Description	This error occurs when trying to use a connection ID that has already been provided to the CONNECT API.
Action	Revise the application.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_TX_STILL_ACTIVE (-1104)

Description	This error occurs when a transaction is not terminated by the DISCONNECT API.
Action	Revise the application.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_CONNECT_FAILURE (-1105)

Description	This error occurs when a connection is not possible due to network problems or TSAM server problems.
Action	Check if the TSAM server has properly booted and is running. Check if the TSAM server is operating properly and if there is a network problem when connecting to the host. Check that the host name, IP, or port number of the CONNECT function's connection parameters are correct. Check if the values (in seconds) of the TB_CONN_TIMEOUT or TB_READ_TIMEOUT environment variables are too small.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_AUTHENTICATION_FAILURE (-1106)

Description	This error occurs when authentication fails for a username and password given to the CONNECT API.
Action	Check if the username and password given to the CONNECT function are correct. Check if the given user exists and if they have the CONNECT permission in the TSAM server.

Reference	Refer to the "Tibero TSAM Guide."
------------------	-----------------------------------

TSAM_ERR_INVALID_DATABASE (-1107)

Description	This error occurs when database connection information given to the CONNECT API is incorrect.
Action	Check if the connection information given to the CONNECT API is correct, especially the database connection string information.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_DISCONNECTED (-1108)

Description	This error occurs when a connection to the TSAM server, established through the CONNECT API, has been lost.
Action	Check if the TSAM server is properly operating and if there's a network problem connecting to the corresponding host. Check if the values (in seconds) of the TB_CONN_TIMEOUT or TB_READ_TIMEOUT environment variables are too small.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_INVALID_TX_ID (-1201)

Description	This error occurs when a negative or incorrect value is assigned to txid when using TSAM tx control variable(s). It can also occur when using TSAM tx control variables without first calling the CONNECT API.
Action	Check if the application is coded in accordance with the general TSAM API usage procedure.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_MAX_TRANSACTIONS (-1202)

Description	This error occurs when exceeding the maximum txid allowed for a single TSAM client program.
--------------------	---

Action	Since only one tx is supported for a connection, this error occurs when too many connections are used simultaneously. Check if the application continuously calls the CONNECT API without calling the DISCONNECT API.
Reference	Refer to "Tibero TSAM Guide."

TSAM_ERR_DUPLICATE_TX_ID (-1203)

Description	This error occurs when a txid that has not been given to TX END after TX START is given to TX START again.
Action	Revise the application to ensure that the same txid value is not used.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_TX_STARTED_ALREADY (-1204)

Description	This error occurs when a connection initiated by TX START is repeatedly referenced by TX START.
Action	Revise the application to not repeatedly call TX START with the same connection ID.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_TX_START_FAILURE (-1205)

Description	This error occurs when TX START fails in TSAM server.
Action	Contact the TmaxSoft technical support team.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_TX_COMMIT_FAILURE (-1206)

Description	This error occurs when a Transaction Commit fails in TSAM server.
Action	Contact the TmaxSoft technical support team.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_TX_ROLLBACK_FAILURE (-1207)

Description	This error occurs when a Transaction Rollback fails in TSAM server.
Action	Contact the TmaxSoft technical support team.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_INVALID_FD (-1301)

Description	This error occurs when a negative value is assigned to the fd value is used as a parameter for the OPEN API or functions that follow it, or when using an fd value that has not been opened.
Action	Check if the application calls functions to perform record I/O on a dataset without calling the OPEN API. Check if the fd that has been closed is still in use, and correct it.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_MAX_OPEN_FILES (-1302)

Description	This error occurs when the maximum number of tsam_open() calls from a single TSAM client (1024) is exceeded.
Action	Check if there are cases where the OPEN API is called without the corresponding CLOSE API in the application, and correct it.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_DUPLICATE_FD (-1303)

Description	This error occurs when the OPEN API is called using the same fd as one that has already been used in another OPEN API without closing it.
Action	Correct the application to not use the same fd to call several OPEN APIs.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_FILE_NOT_FOUND (-1304)

Description	This error occurs when a dataset to be used by the OPEN API is not found.
Action	Run the application after the required dataset is defined. (DEFINE CLUSTER)

Reference	Refer to the "Tibero TSAM Guide."
------------------	-----------------------------------

TSAM_ERR_VOLUME_NOT_FOUND (-1306)

Description	This error occurs when the table space, corresponding to a volume serial that was passed as a parameter when calling the CREATE API to create a dataset, is not created on the TSAM server.
Action	Create the table space corresponding to the volume, register it with the voladd tool, and then run the application software.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_ENTRY_DEFINED_ALREADY (-1317)

Description	This error occurs when trying to redefine a TSAM dataset that is already defined in a configuration without first deleting it.
Action	This can usually be resolved by scheduling batch jobs in an appropriate order. Alternatively, delete the dataset first before redefining it. Check if the jobs are running in the correct order.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_DEADLOCK (-1325)

Description	This error occurs when detecting a deadlock on the TSAM server.
Action	Change the application logic such that when a deadlock is detected on the TSAM server so that when a request for a lock fails while already possessing a lock, unlock all locks and try again. Generally, end the application that received the DEADLOCK error and restart it.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_INVALID_TOKEN (-1401)

Description	This error occurs when the token value given as a parameter to the REWRITE and UNLOCK API is not returned after being created with the READ FOR UPDATE API. Alternatively, the returned token value resulting from calling the READ FOR UPDATE API has been changed due to an application error.
--------------------	--

Action	Check if the returned token value resulting from calling the READ FOR UPDATE API was changed due to an application error. Check if the READ FOR UPDATE APIs are repeatedly called in a row without using the UNLOCK API and then correct it.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_MAX_LOCK_TOKENS (-1402)

Description	This error occurs when the maximum number of lock tokens (1024) is exceeded by performing too many READ FOR UPDATE APIs sequentially without using the UNLOCK API.
Action	Revise the code responsible for calling the READ FOR UPDATE API multiple times without first using the UNLOCK API, to avoid exceeding the maximum possible number of lock tokens.

TSAM_ERR_TX_NOT_STARTED (-1403)

Description	This error occurs when using the TSAM record I/O API (READ, WRITE, REWRITE, DELETE, etc) without having first called the TX START API.
Action	Check if the application is built according to the general TSAM API usage rules.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_KEYLENGTH (-1405)

Description	This error occurs when the TSAM API function's keylen value is different from the key length given when defining a dataset.
Action	Check if the key length value is wrong in the application and correct it. Note that when setting the GENERIC option, the key length can be given a smaller value than the one set when defining the dataset. When setting the RBA or RRA option, the key length is always 4 bytes.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_GENERIC_KEYLENGTH (-1406)

Description	This error occurs when a keylen and the GENERIC option conflict (such as by being the same size or a negative value), because when the TSAM API function's
--------------------	--

	keylen has the GENERIC option, the given keylen must be assigned a smaller value than the keylen assigned when the dataset was defined.
Action	Remove the GENERIC option from the application or change the keylen value.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_INVALID_REQUEST_ID (-1501)

Description	This error occurs when reqid is assigned an out-of-range value when calling the START BR, END BR, RESET BR, READ NEXT, and READ PREV APIs for the BROWSE operation or when calling the END BR, RESET BR, READ NEXT, and READ PREV APIs with a reqid that has not been given to START BR.
Action	Revise the application to assign an appropriate reqid value. The reqid value assigned when calling the END BR, RESET BR, READ NEXT, and READ PREV APIs should be the same as the reqid value assigned when calling START BR.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_MAX_REQUEST_IDS (-1502)

Description	This error occurs when using more than maximum number of BROWSEs in a single dataset OPEN call.
Action	Check if application repeatedly performs START BR more times than the limit (16) without performing END BR, and then correct it.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_DUPLICATE_REQUEST_ID (-1503)

Description	This error occurs when a previously created reqid of BROWSE by START BR is passed on to START BR without first using END BR.
Action	Revise the application to contain both START BR and END BR for a single reqid.
Reference	Refer to the "Tibero TSAM Guide."

TSAM_ERR_ALLOC_RDB_OBJECT (-1901)

Description	This error occurs when allocating an RDB object fails.
Action	Refer to the displayed Oracle error message.

Reference	Refer to "Oracle Database Error Messages."
------------------	--

TSAM_ERR_FREE_RDB_OBJECT (-1902)

Description	This error occurs when freeing an allocated RDB object fails.
Action	Refer to the displayed Oracle error message.
Reference	Refer to "Oracle Database Error Messages."

TSAM_ERR_DEFINE_VARIABLE (-1903)

Description	This error occurs when defining an RDB host variable fails.
Action	Refer to the displayed Oracle error message.
Reference	Refer to "Oracle Database Error Messages."

TSAM_ERR_BIND_VARIABLE (-1904)

Description	This error occurs when binding an RDB host variable fails.
Action	Refer to the displayed Oracle error message.
Reference	Refer to "Oracle Database Error Messages."

TSAM_ERR_PREPARE_STATEMENT (-1905)

Description	This error occurs when preparing to execute an SQL statement fails.
Action	Refer to the displayed Oracle error message.
Reference	Refer to "Oracle Database Error Messages."

TSAM_ERR_EXECUTE_STATEMENT (-1906)

Description	This error occurs when executing an SQL statement fails.
Action	Refer to the displayed Oracle error message.
Reference	Refer to "Oracle Database Error Messages."

TSAM_ERR_FETCH_STATEMENT (-1907)

Description	This error occurs when performing a RDB Row Fetch fails.
Action	Refer to the displayed Oracle error message.
Reference	Refer to "Oracle Database Error Messages."

TSAM_ERR_RETRIEVE_ROWID (-1908)

Description	This error occurs when retrieving an RDB ROWID fails.
Action	Refer to the displayed Oracle error message.
Reference	Refer to "Oracle Database Error Messages."

TSAM_ERR_RETRIEVE_ROW_COUNT (-1909)

Description	This error occurs when retrieving the row counts in an RDB table fails.
Action	Refer to the displayed Oracle error message.
Reference	Refer to "Oracle Database Error Messages."

TSAM_ERR_TABLE_NAME_LENGTH (-1910)

Description	This error occurs if there is a table name that exceeds 32 bytes when a dataset name is converted to a table name during dataset creation in TSAM server.
Action	<p>When creating a TSAM dataset by calling the CREATE API, if a dataset name exceeds 26 bytes, the name of the dataset should be changed into that of the table using <code>tsam_filename()</code>. <code>tsam_filename()</code> is able to convert the dataset name into a table name whose length is 32 bytes.</p> <p>Note that when creating a table using SQL without using IDCAMS or JCL, the table name should not exceed 32 bytes.</p>
Reference	Refer to the "Tibero TSAM Guide."

2.3. DSIO (-2000)

DSIO is a module that provides a standardized interface for all datasets (non-VSAM, VSAM, and SPOOL). This section lists the error codes that can occur in the DSIO module, descriptions of each error, suggested corrective actions, and in some cases, references for more information.

DSIO_ERR_DUPLICATE_RECORD (-2001)

Description	This error occurs when trying to WRITE a VSAM KSDS or RRDS dataset and a record already exists with an identical key value.
Action	Check whether there is a record which has the identical key value in the dataset. This error occurs if the application logic is not correct, or the application implements improper procedure.
Reference	Refer to the "Chapter 3 VSAM Dataset" in the "OpenFrame Dataset Guide".

DSIO_ERR_DUPLICATE_KEY (-2002)

Description	This error occurs when a duplicated key is detected when performing the commands READ or WRITE from a dataset (secondary index dataset) where key duplication is allowed.
Action	The message of the duplicated key detection can be ignored. When a duplicate key is detected, if special business logic has to be executed, fork the application logic.
Reference	Refer to the "Chapter 3 VSAM Dataset" in the "OpenFrame Dataset Guide".

DSIO_ERR_NOT_FOUND (-2003)

Description	This error occurs when the record given to perform a READ from VSAM KSDS or RRDS datasets has not been found.
Action	This is a common error that can occur from general business applications. The countermeasure to this case should be applied to the business logic.
Reference	Refer to the "Chapter 3 VSAM Dataset" in the "OpenFrame Dataset Guide".

DSIO_ERR_END_OF_FILE (-2004)

Description	This error occurs when the end of a file (EOF) is reached while performing sequential READ commands for a sequential or VSAM dataset.
Action	This is a common error that can occur in general business applications. The countermeasure to this case should be applied to the business logic.
Reference	Refer to the "OpenFrame Dataset Guide".

DSIO_ERR_RECORD_LOCKED (-2005)

Description	This error occurs when trying to READ FOR UPDATE a VSAM dataset and another application has already locked the record.
Action	Wait until the lock status is released to perform the READ FOR UPDATE again or remove the NOSUSPEND option.
Reference	Refer to the "Tibero TSAM Guide".

DSIO_ERR_RECORD_BUSY (-2006)

Description	This error occurs when trying to READ from VSAM datasets and another application has already locked the record.
Action	Wait until the lock status is released to perform the READ again or remove the NOSUSPEND option.
Reference	Refer to the "Tibero TSAM Guide".

DSIO_ERR_INVALID_REQUEST (-2008)

Description	This error occurs when a mandatory parameter is not transmitted when using the DSIO library API.
Action	Revise the source code to send the mandatory parameter when calling the DSIO library API.

DSIO_ERR_NOT_ALLOWED (-2009)

Description	This error occurs when using actions not approved by the open mode, a mode for setting the dataset as OPEN.
Action	Check the dataset type and modify the application to only use the allowed commands. Alternative, open mode should be set correctly when using the OPEN API for a dataset.
Reference	Refer to the "OpenFrame Dataset Guide".

DSIO_ERR_NO_SPACE (-2010)

Description	This error occurs when performing a WRITE on a dataset and the disk space for the dataset is insufficient.
Action	Check the available table space for the VSAM dataset and the available disk space for the non-VSAM dataset.

DSIO_ERR_MEMORY_ALLOC (-2011)

Description	This error occurs when system memory allocation fails.
Action	Contact the system administrator.

DSIO_ERR_INTERNAL (-2012)

Description	This error occurs when there is a DSIO library internal error.
Action	Contact the TmaxSoft technical support team.

DSIO_ERR_NOT_IMPLEMENTED (-2013)

Description	This error occurs when there is a DSIO library internal error. (Not Implemented)
Action	Contact the TmaxSoft technical support team.

DSIO_ERR_FILE_NOT_FOUND (-2014)

Description	This error occurs when the dataset to be processed cannot be found. In many cases, the dataset is cataloged but no physical storage is assigned.
Action	In the case of a non-VSAM dataset, check whether the file exists in the volume directory. In the case of a VSAM dataset, check whether the table exists in the volume table space.

DSIO_ERR_SHOULD_NOT_OCCUR (-2015)

Description	This error occurs when there is a DSIO internal library error. (Unrealistic condition)
Action	Contact the TmaxSoft technical support team.

DSIO_ERR_REWRITE_SIZE (-2016)

Description	This error occurs when rewriting a new record to a dataset, if the record length of the new record and the existing record do not match.
Action	When rewriting, the length of the new record and the existing one must match.
Reference	Refer to the "OpenFrame Dataset Guide".

DSIO_ERR_BUFFER_OVERFLOW (-2017)

Description	This error occurs when the length of the dataset record to be read is bigger than the buffer size.
Action	Provide a record buffer that is larger than the dataset record.

DSIO_ERR_INVALID_CONN_ID (-2101)

Description	This error occurs when an incorrect connection ID is specified while using the DSIO library directly.
Action	Revise the source code to send appropriate connection ID when calling the DSIO library API.

DSIO_ERR_MAX_CONNECTIONS (-2102)

Description	This error occurs when the number of connection requests exceed the maximum number of simultaneous connections to use a VSAM or non-VSAM dataset when using the DSIO library API directly.
Action	Revise the source code to share connections when using a VSAM or non-VSAM dataset.

DSIO_ERR_DISCONNECTED (-2103)

Description	This error occurs when the connection to the VSAM server has been lost while performing I/O functions such as READ or WRITE on the dataset.
Action	Check the status of the VSAM dataset server and analyze the log to determine the reason for the disconnection.

DSIO_ERR_INVALID_TX_ID (-2201)

Description	This error occurs when specifying an invalid transaction ID while using the DSIO library API directly.
Action	Revise the source code to send an appropriate transaction ID when calling the DSIO library API.

DSIO_ERR_MAX_TRANSACTIONS (-2202)

Description	This error occurs when the number of transactions exceeds the maximum allowed for dataset I/O, when using the DSIO library API.
Action	Revise the source code to close an existing transaction before starting a new transaction.

DSIO_ERR_INVALID_FD (-2301)

Description	This error occurs when specifying an invalid file descriptor while using the DSIO library API directly.
Action	Revise the source code to send an appropriate file descriptor to call the DSIO library API.

DSIO_ERR_MAX_OPEN_FILES (-2302)

Description	This error occurs when more datasets are opened than is allowed.
Action	Close any datasets that are no longer in use by applications before opening another dataset.
Reference	Up to 1,024 datasets can be opened concurrently.

DSIO_ERR_TSAM_CONFIGURATION (-2401)

Description	This Error occurs due to an incorrect configuration to access the VSAM dataset server.
Action	Check whether the required configuration is set in the [TSAM_CLIENT] section of the ds.conf configuration file.
Reference	Refer to the "Appendix. A Configuration File" in the "OpenFrame Dataset Guide".

DSIO_ERR_NOT_INITIALIZED (-2403)

Description	This error occurs when the DSIO BATCH library API is used directly without calling the initialization function.
Action	Modify the source code to call the initialization function first before calling the DSIO library API.

DSIO_ERR_CLOSED_WITH_LOCK (-2404)

Description	This error occurs when a dataset to OPEN is already locked.
Action	Revise the application program.

DSIO_ERR_LOAD_FILE_OPEN (-2405)

Description	This error occurs when creating a copy file to edit a dataset.
Action	Check whether file and directory access authority is granted.

DSIO_ERR_LOAD_FILE_WRITE (-2406)

Description	This error occurs while creating a copy file to edit a dataset.
Action	Check whether there is enough space within the directory.

DSIO_ERR_SAVE_FILE_OPEN (-2407)

Description	This error occurs when trying to OPEN the copy file for a modified dataset.
Action	Check whether directory and file access authority is granted.

DSIO_ERR_SAVE_FILE_READ (-2408)

Description	This error occurs while trying to READ the copy file of a modified dataset.
Action	Check whether the record is saved in the file.

DSIO_ERR_WRONG_INIT_FLAGS (-2410)

Description	This error occurs when the flag setting to call the DSIO library initialization function is incorrect.
Action	Check the input flag settings.

DSIO_ERR_WRONG_DCB_CONCATS (-2501)

Description	This error occurs when there is a problem with the concatenated DCB provided from allocator.
Action	Do not concatenate different types of datasets.
Reference	Refer to the "OpenFrame Dataset Guide".

DSIO_ERR_INVALID_DS_ACCESS (-2502)

Description	This error occurs when executing a command that is not supported by a non-VSAM dataset.
Action	Execute only the proper commands for the dataset type.
Reference	Refer to the "OpenFrame Dataset Guide".

DSIO_ERR_INVALID_OPERATION (-2503)

Description	This error occurs when trying to call the DSIO API and it is not suited for the type of the dataset.
Action	Use only the proper DSIO API according to the dataset type.
Reference	Refer to the "OpenFrame Dataset Guide".

DSIO_ERR_OPT_NOT_SUPPORTED(-2504)

Description	This error occurs when an option is used that is not supported by dataset I/O.
Action	Check whether the option is supported.

DSIO_ERR_TAPE_SIZE_CONFIG (-2505)

Description	This error occurs when the calculation method for TAPE_SIZE is not specified in the configuration file.
Action	Check the TAPE_SIZE setting in the ds.conf configuration file.
Reference	Refer to the "OpenFrame Dataset Guide".

DSIO_ERR_INVALID_DCB_TYPE(-2506)

Description	This error occurs when an invalid DCB TYPE is configured.
Action	Contact the TmaxSoft technical support team.

DSIO_ERR_INVALID_CONN_TYPE(-2507)

Description	This error occurs when an invalid CONNECTION TYPE is specified.
Action	Contact the TmaxSoft technical support team.

DSIO_ERR_INVALID_RID_TYPE(-2508)

Description	This error occurs when an invalid RID TYPE is configured.
Action	Contact the TmaxSoft technical support team.

DSIO_ERR_SYSTEM_LSTAT(-2901)

Description	This error occurs when the lstat() system function fails.
Action	Contact the system administrator.
Reference	Refer to the system error message when an error occurs.

DSIO_ERR_SYSTEM_POPEN(-2902)

Description	This error occurs when the popen() system function call fails.
Action	Contact the system administrator.
Reference	Refer to the system error message when an error occurs.

DSIO_ERR_SYSTEM_FREAD(-2903)

Description	This error occurs when the fread() system function call fails.
Action	Contact the system administrator.
Reference	Refer to the system error message when an error occurs.

2.4. ICF (-3000)

The ICF module provides integrated catalog functions. This section lists the error codes for errors that can occur in the ICF module, descriptions of each error, suggested corrective actions, and in some cases, references to more information.

ICF_ERR_DUPLICATE_RECORD (-3001)

Description	This error occurs when an identical catalog entry is already registered.
Action	Check whether the entry to be registered is already cataloged.
Reference	Refer to the "Chapter 4 Integrated Catalog" in the "OpenFrame Dataset Guide".

ICF_ERR_NOT_FOUND (-3002)

Description	This error occurs when a catalog entry to be searched for is not registered.
Action	Check whether the entry to be searched is cataloged.
Reference	Refer to the "Chapter 4 Integrated Catalog" in the "OpenFrame Dataset Guide".

ICF_ERR_END_OF_FILE (-3003)

Description	This error occurs when the end of a file is reached while BROWSING a catalog using the ICF library API.
Action	Add logic to be used when the application using the ICF library API reaches the end of the catalog.

ICF_ERR_MEMORY_ALLOC (-3004)

Description	This error occurs when system memory allocation fails.
--------------------	--

Action	Contact the system administrator.
---------------	-----------------------------------

ICF_ERR_INTERNAL (-3005)

Description	This error occurs when there is an ICF library internal error.
Action	Contact the TmaxSoft technical support team.

ICF_ERR_NOT_IMPLEMENTED (-3006)

Description	This error occurs when there is an ICF library internal error. (Not Implemented)
Action	Contact the TmaxSoft technical support team.

ICF_ERR_INVALID_CATALOG_NAME (-3011)

Description	This error occurs when a given catalog name is invalid when using the ICF library API directly.
Action	When calling the ICF library API function, check whether the catalog name is correct.

ICF_ERR_INVALID_ENTRY_NAME (-3012)

Description	This error occurs when a given entry name is invalid when using the ICF library API directly.
Action	When calling the ICF library API function, check whether the entry name is correct.

ICF_ERR_INVALID_ENTRY_TYPE (-3013)

Description	This error occurs when a given entry type is invalid when using the ICF library API directly.
Action	When calling the ICF library API function, check whether the entry type is correct.

ICF_ERR_INVALID_ATTR_TYPE (-3014)

Description	This error occurs when a given attribute type is invalid when using the ICF library API directly.
Action	When calling the ICF library API function, check whether the given attribute type is correct.

ICF_ERR_INVALID_HANDLE (-3015)

Description	This error occurs when a given handle is invalid when using the ICF library API directly.
Action	When calling the ICF library API function, check whether the given handle is correct.

ICF_ERR_INVALID_FILTER_KEY (-3016)

Description	This error occurs when a dataset filter key is incorrectly assigned during a catalog search.
Action	Check whether the wild card provided for the catalog search is used correctly.
Reference	Refer to the "Chapter 4 Integrated Catalog" in the "OpenFrame Dataset Guide".

ICF_ERR_ICF_CONFIGURATION (-3021)

Description	This error occurs when there is a problem in the default configuration file for integrated catalog.
Action	Check the configurations for the [ICF_CATALOG] section in the ds.conf configuration file and then correct any errors.
Reference	Refer to the "Appendix A. Configuration File" in the "OpenFrame Dataset Guide".

ICF_ERR_TSAM_CONFIGURATION (-3022)

Description	This error occurs due to an incorrect configuration for the VSAM dataset access used as integrated catalog storage.
Action	Check the configurations for the [ICF_STORAGE] section in the ds.conf configuration file and then correct any errors.

Reference	Refer to the "Appendix A. Configuration File" in the "OpenFrame Dataset Guide".
------------------	---

ICF_ERR_NOT_INITIALIZED (-3024)

Description	This error occurs when the ICF library API is used directly without calling initialization functions.
Action	The initialization function should be called before using the ICF library API.

ICF_ERR_BCS_NOT_OPENED (-3025)

Description	This ICF library internal system error occurs when BCS is not open.
Action	Contact the TmaxSoft technical support team.

ICF_ERR_VVDS_NOT_OPENED (-3026)

Description	This ICF library internal system error occurs when VVDS is not open.
Action	Contact the TmaxSoft technical support team.

ICF_ERR_SCAN_NOT_STARTED (-3027)

Description	This ICF library internal system error occurs when SCAN does not start.
Action	Contact the TmaxSoft technical support team.

ICF_ERR_MAX_ASSOCIATIONS (-3028)

Description	This error occurs when using the ICF library API directly and when the number of entries for a catalog exceeds the maximum number of entries.
Action	Modify the application to not exceed the number of entries for a single catalog.
Reference	The maximum number of entries for a single catalog is 477.

ICF_ERR_BUFFER_OVERFLOW (-3029)

Description	This error occurs when the number of buffers given to a search catalog is smaller than the number of entries that have actually been searched.
Action	When searching a catalog, the buffer size for the result should be calculated correctly.

ICF_ERR_CATALOG_NOT_DEFINED (-3031)

Description	This error occurs when a BCS dataset with the given catalog name is not found.
Action	Check whether the specified user catalog is defined in the master catalog.

ICF_ERR_VOLUME_NOT_DEFINED (-3032)

Description	This error occurs when a VVDS dataset corresponding to the volume specified is not found.
Action	Check whether the specified volume of WDS dataset is defined in the master catalog.

ICF_ERR_BCS_OPEN_ALREADY (-3033)

Description	An ICF library internal system error which occurs when BCS is already open.
Action	Contact the TmaxSoft technical support team.

ICF_ERR_VVDS_OPEN_ALREADY (-3034)

Description	An ICF library internal system error which occurs when VVDS is already open.
Action	Contact the TmaxSoft technical support team.

ICF_ERR_SCAN_STARTED_ALREADY (-3035)

Description	An ICF library internal system error which occurs when SCAN is already started.
Action	Contact the TmaxSoft technical support team.

ICF_ERR_NO_ALIAS_CATALOG (-3036)

Description	This error occurs when the Alias Catalog corresponding to the dataset is not found.
Action	Contact the TmaxSoft technical support team.

2.5. AMS (-4000)

The AMS module is responsible for creating, deleting, and cataloging a dataset. This section lists the error codes that can occur in the AMS module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

AMS_ERR_DUPLICATE_RECORD (-4001)

Description	This error occurs when trying to add a record and a record already exists with an identical key value.
Action	Check whether there is a record with an identical name and if so, change the name of the record to be registered.

AMS_ERR_NOT_FOUND (-4002)

Description	This error occurs when the record to be searched is not found in the catalog.
Action	Check whether the item has been cataloged and then correct the name of the record to be searched.

AMS_ERR_MEMORY_ALLOC (-4003)

Description	This error occurs when failing to allocate memory.
Action	Contact the system administrator.

AMS_ERR_INTERNAL (-4004)

Description	This error occurs when there is an internal AMS library error.
Action	Contact the TmaxSoft technical support team.

AMS_ERR_NOT_IMPLEMENTED (-4005)

Description	This error occurs when there is an internal AMS library error. (Not implemented)
Action	Contact the TmaxSoft technical support team.

AMS_ERR_INVALID_CATALOG_NAME (-4011)

Description	This error occurs when a given catalog name is incorrect.
Action	When implementing the application, check whether the catalog name is correct.

AMS_ERR_INVALID_ENTRY_NAME (-4012)

Description	This error occurs when a given entry name is invalid.
Action	When implementing the application, check whether the entry name is correct.

AMS_ERR_INVALID_ENTRY_TYPE (-4013)

Description	This error occurs when a given entry type is invalid.
Action	When implementing the application, check whether the entry type is correct.

AMS_ERR_INVALID_DATASET_NAME (-4014)

Description	This error occurs when a given name of the dataset is invalid.
Action	When implementing the application, check whether the name of the dataset is correct.

AMS_ERR_INVALID_VOLUME_SERIAL (-4016)

Description	This error occurs when the specified volume serial number is invalid.
Action	When implementing the application, check whether the volume serial number is correct.

AMS_ERR_INVALID_MEMBER_NAME (-4017)

Description	This error occurs when a given member name is invalid.
Action	When implementing the application, check whether the member name is correct.

AMS_ERR_INVALID_BASE_CLUSTER (-4018)

Description	This error occurs when a given dataset type for a base cluster is invalid.
Action	Check whether the dataset can be specified as a base cluster.

AMS_ERR_INVALID_DCB_TYPE (-4019)

Description	This error occurs when a given dataset type is invalid.
Action	When implementing the application, check whether the dataset type is appropriate for the job.

AMS_ERR_INVALID_REQUEST (-4020)

Description	This error occurs when an invalid parameter is specified.
Action	Check whether the parameter is appropriate for the job.

AMS_ERR_TSAM_CONFIGURATION (-4021)

Description	This error occurs due to incorrect configuration for VSAM dataset access used in an ASM library.
Action	Check whether the required configuration is set in the [TSAM_CLIENT] or [SYS1_CLIENT] section of the ds.conf configuration file.
Reference	Refer to "Appendix A. Configuration File" of "OpenFrame Dataset Guide".

AMS_ERR_NOT_INITIALIZED (-4023)

Description	This error occurs when the AMS library API is used without being initialized.
Action	The initialize function should be called before using the AMS library API.

AMS_ERR_TOO_MANY_ENTRIES (-4024)

Description	This error occurs when multiple entries with the same name are found in the catalog while searching for information about a specific catalog entry.
Action	When implementing the application, correctly specify the name of the entry to be searched.

AMS_ERR_GDG_NOT_REGISTERED (-4025)

Description	This error occurs when the GDG entry cannot be found when registering or searching in the GDS dataset.
Action	Register the GDG entry related to the GDS dataset.

AMS_ERR_NO_PREVIOUS_GDS (-4026)

Description	This error occurs when the previous generation of the GDS dataset cannot be found when registering or searching in the GDS dataset.
Action	Specify a generation number of the GDS dataset to be searched for, or register the previous generation of GDS dataset.

AMS_ERR_BASE_ENTRY_NOT_FOUND (-4027)

Description	This error occurs when the base catalog entry needed to register the AIX, PATH, or ALIAS catalog entry cannot be found.
Action	Check whether the name of the base entry is correctly specified or define the base catalog entry first.

AMS_ERR_PDS_NOT_REGISTERED (-4028)

Description	This error occurs when the PDS cannot be found when adding or deleting a PDS member.
Action	Check whether the name of the PDS dataset is well-defined.

AMS_ERR_PDS_MEMBER_LIST (-4029)

Description	This error occurs while searching the PDS member list.
Action	Contact the TmaxSoft technical support team. (Refer to the displayed error messages.)

AMS_ERR_ENTRY_NOT_RENAMED (-4030)

Description	This error occurs when failing to rename a catalog entry.
Action	If a non-VSAM dataset has a catalog entry related to the entry to be renamed and its name cannot be changed.

AMS_ERR_GDS_ASSOC_FOUND (-4031)

Description	This error occurs when trying to delete a GDG catalog entry which has a related GDS dataset.
Action	The GDG dataset should be deleted before the GDG entry, or the FORCE option should be used to delete the GDG entry.

AMS_ERR_ENTRY_NOT_SUPPORTED (-4032)

Description	This error occurs when an invalid entry type is specified for a job to be performed.
Action	Specify a valid entry type for the job to perform.

AMS_ERR_LOG_FILE_OPEN (-4801)

Description	This error occurs while opening a log file for writing.
Action	Contact the TmaxSoft technical support team. (Refer to the displayed error messages.)

AMS_ERR_LOG_FILE_CLOSE (-4802)

Description	This error occurs while closing a log file after writing.
--------------------	---

Action	Contact the TmaxSoft technical support team. (Refer to the displayed error messages.)
---------------	---

AMS_ERR_LOG_FILE_WRLCK (-4803)

Description	This error occurs while locking a log file for writing.
Action	Contact the TmaxSoft technical support team. (Refer to the displayed error messages.)

AMS_ERR_LOG_FILE_UNLCK (-4804)

Description	This error occurs while unlocking a log file after writing.
Action	Contact the TmaxSoft technical support team. (Refer to the displayed error messages.)

AMS_ERR_LOG_FILE_LSEEK (-4805)

Description	This error occurs while searching for a location to write a record in a log file.
Action	Contact the TmaxSoft technical support team. (Refer to the displayed error messages.)

AMS_ERR_LOG_FILE_WRITE (-4806)

Description	This error occurs while writing a record in a log file with the write() function.
Action	Contact the TmaxSoft technical support team. (Refer to the displayed error messages.)

AMS_ERR_SYSTEM_CREAT (-4901)

Description	This error occurs when the create() system function call fails.
Action	Contact the system administrator.
Reference	Refer to the displayed error messages.

AMS_ERR_SYSTEM_UNLINK (-4902)

Description	This error occurs when the unlink() system function call fails.
Action	Contact the system administrator.
Reference	Refer to the displayed error messages.

AMS_ERR_SYSTEM_OPEN (-4903)

Description	This error occurs when the open() system function call fails.
Action	Contact the system administrator.
Reference	Refer to the displayed error messages.

AMS_ERR_SYSTEM_UTIME (-4904)

Description	This error occurs when the utime() system function call fails.
Action	Contact the system administrator.
Reference	Refer to the displayed error messages.

2.6. DSALC (-5000)

The DSALC module is responsible for allocation within datasets. This section lists the error codes that can occur in the DSALC module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

DSALC_ERR_INVALID_REQUEST (-5001)

Description	This error occurs when an invalid parameter has been transmitted.
Action	Check whether the parameter is suited for the job.

DSALC_ERR_MEMORY_ALLOC (-5002)

Description	This error occurs when system memory allocation fails.
Action	Contact the system administrator.

DSALC_ERR_NOT_INITIALIZED (-5003)

Description	This error occurs when the allocator library function is used without calling the initialization function.
Action	Call the initialization function before using the allocator library function.

DSALC_ERR_INTERNAL (-5004)

Description	This error occurs when there is an allocator library internal system error.
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_BUFFER_OVERFLOW (-5005)

Description	This error occurs when the buffer size provided for the allocator report function is insufficient.
Action	Modify the application to call the report function after calculating the buffer size.

DSALC_ERR_NOT_IMPLEMENTED (-5009)

Description	This allocator library internal system error occurs when a function is not implemented.
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_INVALID_SHMKEY (-5102)

Description	This error occurs when the key value for shared memory is invalid.
Action	Check the [DATASET_SHMKEY] section in the ds.conf configuration file.
Reference	Refer to the "Appendix A. Configuration File" in the "OpenFrame Dataset Guide".

DSALC_ERR_SHMGET_FAILURE (-5105)

Description	This error occurs when the shared memory corresponding to a specified key value is not accessible.
--------------------	--

Action	Contact the system administrator.
Reference	Refer to the system error message that is displayed when an error occurs.

DSALC_ERR_SHMAT_FAILURE (-5106)

Description	This error occurs when a process cannot be attached to the shared memory corresponding to a specified key.
Action	Contact the system administrator.
Reference	Refer to the system error message that is displayed when an error occurs.

DSALC_ERR_SHMDT_FAILURE (-5107)

Description	This error occurs when a process cannot be detached from the shared memory corresponding to a specified key.
Action	Contact the system administrator.
Reference	Refer to the system error message that is displayed when an error occurs.

DSALC_ERR_SHMCTL_STAT (-5108)

Description	This error occurs when an inquiry for the status information of shared memory corresponding to a specified key fails.
Action	Contact the system administrator.
Reference	Refer to the system error message that is displayed when an error occurs.

DSALC_ERR_SHMCTL_RMID (-5109)

Description	This error occurs when there is a failure to delete the shared memory corresponding to a specified key.
Action	Contact the system administrator.
Reference	Refer to the system error message that is displayed when an error occurs.

DSALC_ERR_SHMDS_SEGSZ (-5110)

Description	This error occurs when the shared memory corresponding to the specified key has an unexpected size.
Action	If the allocator library is patched, remove the existing shared memory and restart.
Reference	Refer to ipcs and ipcrm in the UNIX Manual.

DSALC_ERR_DD_UNALLOCATE (-5111)

Description	This error occurs when there is an allocator library internal system error. (DD Unallocate error)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_INVALID_DDNAME (-5201)

Description	This error occurs when the specified DD name is invalid.
Action	Check whether the DD name is correct and try again.

DSALC_ERR_INVALID_DSNAME (-5202)

Description	This error occurs when the specified name for a dataset is invalid.
Action	Check whether the dataset name is correct and execute again.

DSALC_ERR_INVALID_HANDLE (-5203)

Description	This error occurs when there is an allocator library usage error. (Invalid Handle)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_INVALID_HEADER (-5204)

Description	This error occurs when there is an allocator library usage error. (Invalid Header)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_DUPLICATE_HEADER (-5205)

Description	This error occurs when there is an allocator library usage error. (Duplicate Header)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_INVALID_CONCAT (-5206)

Description	This error occurs when there is an Allocator library usage error. (Invalid Contact)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_INVALID_COUNT (-5207)

Description	This error occurs when there is an Allocator library usage error. (Invalid Count)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_INVALID_REPORT (-5208)

Description	This error occurs when there is an Allocator library usage error. (Invalid Report)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_ALREADY_CATALOGED (-5211)

Description	This error occurs when the new dataset is already cataloged.
Action	Delete the dataset and execute again.

DSALC_ERR_DATASET_NOT_FOUND (-5212)

Description	This error occurs when an existing dataset is not found.
Action	Delete the dataset and execute again.

DSALC_ERR_DATASET_DUPLICATE (-5213)

Description	This error occurs when a new dataset already exists.
Action	Delete the dataset and execute again.

DSALC_ERR_UNSUPPORTED_ENTRY (-5221)

Description	This error occurs when an entry registered in the catalog is not a supported type.
Action	Check whether another entry is registered with the same name using a catalog search.

DSALC_ERR_CONCATENATE_ENTRY (-5222)

Description	This error occurs when an entry registered in the catalog cannot be concatenated.
Action	Try to concatenate only those entries which can be concatenated.
Reference	VSAM datasets cannot be concatenated.

DSALC_ERR_INVALID_SLOT_INFO (-5231)

Description	This error occurs when there is an Allocator library internal system error. (Invalid Slot Info)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_NO_AVAILABLE_SLOT (-5232)

Description	This error occurs when there are no more available memory slots for an allocator.
Action	Use the allocator slot dump tool to check the status of the memory slot that is currently in use.
Reference	The maximum number of available memory slots for the allocator is 65535. (check the ds.conf configuration file)

DSALC_ERR_OUTPUT_CONCATENATE (-5241)

Description	This error occurs when trying to concatenate an output dataset.
Action	Concatenate does not work for output datasets.
Reference	Refer to "Chapter 2. Non-VSAM Dataset" in the "OpenFrame Dataset Guide".

DSALC_ERR_VOLUME_ALLOC_DISP (-5242)

Description	This error occurs when an abnormal DISP parameter has been passed.
Action	Revise the incorrect DISP parameter.
Reference	In order to allocate the volume use DISP=(SHR,KEEP,KEEP) or DISP=(OLD,KEEP,KEEP) .

DSALC_ERR_ABNORMAL_DISP_PASS (-5243)

Description	This error occurs when an abnormal DISP parameter has been passed.
Action	Revise the incorrect DISP parameter.
Reference	"PASS" cannot be used as an Abnormal Termination DISP parameter.

DSALC_ERR_CONCAT_DISP_PASS (-5244)

Description	This error occurs when an abnormal DISP parameter has been passed.
Action	Revise the incorrect DISP parameter.
Reference	A concatenated dataset cannot use 'PASS' as a DISP parameter. (allowed as of Base V5.1)

DSALC_ERR_PATH_ALLOC_INFO (-5245)

Description	This error occurs when trying to allocate VSAM PATH and the information related to the PATH item in the catalog is invalid.
Action	Check the catalog to determine whether the information related to the PATH item is correctly specified and then correct the catalog.
Reference	Refer to "Chapter 3. VSAM Dataset" in the "OpenFrame Dataset Guide."

DSALC_ERR_AIX_ASSOC_INFO (-5246)

Description	This error occurs when trying to allocate VSAM PATH and the information related to the AIX item in catalog is invalid.
Action	Check the catalog to determine whether the information related to the AIX item is correctly specified and then correct the catalog.
Reference	Refer to "Chapter 3. VSAM dataset" in the "OpenFrame Dataset Guide".

DSALC_ERR_UNIT_VOLUME_MISMATCH (-5247)

Description	This error occurs when allocating a dataset and a given UNIT parameter does not match the VOLUME parameter.
Action	Check the UNIT and VOLUME information registered in the system then send the parameter again.
Reference	Refer to "Appendix A. Configuration File" in "OpenFrame Dataset Guide".

DSALC_ERR_UNIT_NOT_GIVEN (-5248)

Description	This error occurs when the UNIT parameter has not been specified even though it is needed to allocate a dataset.
Action	If DS_OLDSHR_UNIT_METHOD=NEW is set in ds.conf, and DISP is set to OLD or SHR, check whether or not UNIT information has been specified the VOLUME information.
Reference	Refer to "Appendix A. Configuration File" in "OpenFrame Dataset Guide".

DSALC_ERR_MODEL_NOT_FOUND (-5251)

Description	This error occurs when the model dataset specified to define the attribute of the dataset cannot be found.
Action	Check whether the module dataset specified in JCL exists.

DSALC_ERR_VSAM_TERM_DISP (-5252)

Description	This error occurs when the DISP parameter for a VSAM dataset is not supported.
--------------------	--

Action	Specify a DISP parameter supported by the VSAM dataset in the JCL.
Reference	Refer to "Chapter 3. VSAM Dataset" in the "OpenFrame Dataset Guide".

DSALC_ERR_UNKNOWN_DCB_TYPE (-5253)

Description	This error occurs when there is an allocator library internal system error. (Unknown DCB Type)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_INVALID_DCB_NAME (-5254)

Description	This error occurs when there is an allocator library internal system error. (Invalid DCB Name)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_CATNAME_DIFFERENT (-5255)

Description	This error occurs when there is an allocator library internal system error. (Catname Different)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_ENTYPE_DIFFERENT (-5256)

Description	This error occurs when there is an allocator library internal system error. (Entype Different)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_RECAT_NOT_ALLOWED (-5257)

Description	This error occurs when the dataset is closed and recataloging is not supported.
Action	Check the type of the dataset and then specify a DISP parameter corresponding to the JCL.
Reference	Recataloging is not supported for a GDS dataset or a PDS member.

DSALC_ERR_REMOVE_DATASET (-5258)

Description	This error occurs when trying to use an allocator library. (Remove Dataset)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_UPDATE_VTOC_ELEMENT (-5260)

Description	This error occurs when trying to use an allocator library. (Update VTOC Element)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_LOCK_INITIALIZE (-5261)

Description	This error occurs when trying to use an allocator library. (Lock Initialize)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_INVALID_ALLOC_TYPE (-5262)

Description	This error occurs when trying to use an allocator library. (Invalid Alloc Type)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_INVALID_REFDD_FORMAT (-5271)

Description	This error occurs due to an invalid format of the JCL Reference DD.
Action	Check the format of the REFDD parameter.

DSALC_ERR_STEPPATH_REQUIRED (-5272)

Description	This error occurs when trying to use an allocator library. (Steppath Required)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_REFDD_NOT_FOUND (-5273)

Description	This error occurs when the Reference DD is not found in the JCL.
Action	Check whether the REFDD parameter is correctly specified.

DSALC_ERR_RENEW_GDS_DATASET (-5295)

Description	The RENEW DISP parameter is not allowed for GDS datasets.
Action	Check whether the DISP parameter is correctly specified.

DSALC_ERR_RENEW_WITH_MEMBER (-5296)

Description	The RENEW DISP parameter is not allowed for a member of a PDS dataset.
Action	Check whether the DISP parameter is correctly specified.

DSALC_ERR_CONCAT_LEADER_PASS (-5401)

Description	This error occurs because a dataset that is allocated with a disposition of PASS cannot be a concatenation leader.
Action	Check the DD statement of JCL. (allowed as of Base V5.1)

DSALC_ERR_SWITCH_CONCAT_SLOT (-5402)

Description	This error occurs when trying to switch an attribute of the concatenated dataset which is not allowed to be switched in the next JCL step.
Action	Check the DD statement of the JCL.

DSALC_ERR_SWITCH_NODISP_SLOT (-5403)

Description	This error occurs when trying to switch an attribute of the spool dataset which is not allowed to be switched in the next JCL step.
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_DUMMY_SWITCH_DSNAME (-5411)

Description	This error occurs when trying to switch a DSNAME attribute of the dummy dataset which is not allowed to be switched in the next JCL step.
Action	Check the DD statement of JCL.

DSALC_ERR_DUMMY_SWITCH_VOLSER (-5412)

Description	This error occurs when trying to switch a VOLSER attribute of the dummy dataset which is not allowed to be switched in the next JCL step.
Action	Check the DD statement of the JCL.

DSALC_ERR_VOLUME_SWITCH_DSNAME (-5421)

Description	This error occurs when trying to switch a DSNAME attribute of the volume dataset which is not allowed to be switched in the next JCL step.
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_VOLUME_SWITCH_VOLSER (-5422)

Description	This error occurs when trying to switch a VOLSER attribute of the volume dataset which is not allowed to be switched in the next JCL step.
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_VOLUME_SWITCH_DISP (-5431)

Description	This error occurs when an invalid disposition is specified when switching an attribute in the next JCL step of the volume dataset.
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_NOTAPE_SWITCH_DSNAME (-5441)

Description	This error occurs when trying to switch a DSNAME attribute in the next JCL step of a dataset which is not a tape dataset.
--------------------	---

Action	Check the DD statement of the JCL.
---------------	------------------------------------

DSALC_ERR_NOTAPE_SWITCH_VOLSER (-5442)

Description	This error occurs when trying to switch a VOLSER attribute in the next JCL step of a dataset which is not a tape dataset.
Action	Check the DD statement of the JCL.

DSALC_ERR_NONPDS_SWITCH_MEMBER (-5443)

Description	This error occurs when trying to switch a MEMBER attribute in the next JCL step of a dataset which is not a PDS dataset.
Action	Check the DD statement of JCL.

DSALC_ERR_CATLDS_SWITCH_DSNAME (-5444)

Description	This error occurs when trying to switch a DSNAME attribute in the next JCL step of a cataloged dataset.
Action	Check the DD statement of JCL.

DSALC_ERR_CATLDS_SWITCH_VOLSER (-5445)

Description	This error occurs when trying to switch a VOLSER attribute in the next JCL step of a cataloged dataset.
Action	Check the DD statement of JCL.

DSALC_ERR_SPOOL_ALLOC_DISP (-5501)

Description	This error occurs when a SPOOL dataset has not been assigned a valid DISP parameter.
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_DBIO_ALLOC_DISP (-5511)

Description	This error occurs when a DBIO dataset has not been assigned a valid DISP parameter.
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_NEED_VOLSER_LIST (-5512)

Description	In order to allocate a DBIO dataset, a volume serial list must be assigned.
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_INVALID_TERM_ID (-5521)

Description	This error occurs when a TERMINAL dataset has not been assigned a valid Terminal ID.
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_TERM_ALLOC_DISP (-5522)

Description	This error occurs when a terminal dataset has not been assigned a valid DISP parameter.
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_INVALID_STRNAME (-5531)

Description	This error occurs when an STDIO dataset has not been assigned a valid stream name.
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_STDIO_ALLOC_DISP (-5532)

Description	This error occurs when an STDIO dataset has not been assigned a valid DISP parameter.
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_INVALID_MQNNAME (-5541)

Description	This error occurs when an MQNIO dataset has not been assigned a valid MQN node name.
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_MQNIO_ALLOC_DISP (-5542)

Description	This error occurs when an MQNIO dataset has not been assigned a valid DISP parameter.
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_ALREADY_IN_CRITICAL (-5901)

Description	This error occurs when there is an allocator library internal system error. (Already In Critical)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_NOT_IN_CRITICAL (-5902)

Description	This error occurs when there is an allocator library internal system error. (Not In Critical)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_LOG_FILE_OPEN (-5903)

Description	This error occurs when a dataset allocator log file cannot be opened.
Action	Check whether access rights for the dataset allocator log file or directory are granted.

DSALC_ERR_LOG_FILE_WRITE (-5904)

Description	This error occurs when writing to a dataset allocator log file has failed.
--------------------	--

Action	Check whether access rights for the dataset allocator log file or directory are granted.
---------------	--

DSALC_ERR_LOG_OPEN_ALREADY (-5905)

Description	This error occurs when trying to use the allocator library. (Log Open Already)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_LOG_NOT_OPEN_YET (-5906)

Description	This error occurs when trying to use an allocator library. (Log Not Open Yet)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_LOG_FILE_WRLCK (-5907)

Description	This error occurs when trying to use an allocator library. (Log File Wrlck)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_LOG_FILE_UNLCK (-5908)

Description	This error occurs when trying to use an allocator library. (Log File Unlck)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_INVALID_LOG_FD (-5909)

Description	This error occurs when trying to use an allocator library. (Invalid Log FD)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_LOG_FILE_CLOSE (-5910)

Description	This error occurs when trying to use an allocator library. (Log File Close)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_LOG_FILE_LSEEK (-5911)

Description	This error occurs when trying to use an allocator library. (Log File LSEEK)
Action	Contact the TmaxSoft technical support team.

DSALC_ERR_SYSTEM_LSTAT (-5991)

Description	This error occurs when the system call lstat() fails.
Action	Contact the system administrator.
Reference	Refer to the system error message that is displayed when an error occurs.

DSALC_ERR_SYSTEM_OPENDIR (-5992)

Description	This error occurs when the system call opendir() fails.
Action	Contact the system administrator.
Reference	Refer to the system error message that is displayed when an error occurs.

DSALC_ERR_SYSTEM_MKDIR (-5993)

Description	This error occurs when the system call mkdir() fails.
Action	Contact the system administrator.
Reference	Refer to the system error message that is displayed when an error occurs.

DSALC_ERR_SYSTEM_RMDIR (-5994)

Description	This error occurs when the system call rmdir() fails.
Action	Contact the system administrator.
Reference	Refer to the system error message that is displayed when an error occurs.

DSALC_ERR_SYSTEM_FOPEN (-5995)

Description	This error occurs when the system call fopen() fails.
Action	Contact the system administrator.

Reference	Refer to the system error message that is displayed when an error occurs.
------------------	---

DSALC_ERR_SYSTEM_OPEN (-5996)

Description	This error occurs when the system call open() fails.
Action	Contact the system administrator.
Reference	Refer to the system error message that is displayed when an error occurs.

DSALC_ERR_SYSTEM_UNLINK (-5997)

Description	This error occurs when the system call unlink() fails.
Action	Contact the system administrator.
Reference	Refer to the system error message that is displayed when an error occurs.

DSALC_ERR_SYSTEM_SIGNAL(-5998)

Description	This error occurs when the system call signal() fails.
Action	Contact the system administrator.
Reference	Refer to the system error message that is displayed when an error occurs.

DSALC_ERR_SYSTEM_POPEN (-5999)

Description	This error occurs when the system call popen() fails.
Action	Contact the system administrator.
Reference	Refer to the system error message that is displayed when an error occurs.

2.7. VOLM (-6000)

The VOLM module is responsible for volume information inquiries and VTOC management. This section lists the error codes that can occur in the VOLM module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

VOLM_ERR_INVALID_REQUEST (-6001)

Description	This error occurs when using the VOLM library API directly and an abnormal parameter was passed.
Action	If using the API directly, send a parameter that is valid for the job to be performed. Otherwise, contact the TmaxSoft technical support team.

VOLM_ERR_MEMORY_ALLOC (-6002)

Description	This error occurs when memory allocation fails.
Action	Contact the system administrator.

VOLM_ERR_BUFFER_OVERFLOW (-6003)

Description	This error occurs when insufficient buffer space is allocated for calling a data inquiry function.
Action	Allocate sufficient buffer space.

VOLM_ERR_ELEMENT_NOT_FOUND (-6004)

Description	This error occurs when the VTOC information of a dataset cannot be found.
Action	Check whether the dataset exists on the volume.

VOLM_ERR_HEADER_CONFIGURATION (-6005)

Description	This error occurs when a value in the [HEADER] section in unit.conf or volume.conf is invalid.
Action	Check if the value is between 1 and 4096.

VOLM_ERR_NOT_IMPLEMENTED (-6009)

Description	This error occurs when there is a VOLM library internal system error. (Not Implemented)
Action	Contact the TmaxSoft technical support team.

VOLM_ERR_GROUP_NOT_DEFINED (-6101)

Description	This error occurs when a specified esoteric unit name is not registered in the system.
Action	Check whether the specified esoteric name is registered in the unit.conf file. If not, register it or revise the UNIT parameter of the JCL.
Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide."

VOLM_ERR_GROUP_CONFIGURATION (-6102)

Description	This error occurs when the configuration of the [ESOTERIC] section in the unit.conf file is incorrect.
Action	Revise the [ESOTERIC] section of the unit.conf file.
Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide."

VOLM_ERR_DEVICE_CONFIGURATION (-6103)

Description	This error occurs when the configuration of the [DEVICE] section in the unit.conf file is incorrect.
Action	Revise the [DEVICE] section of the unit.conf file.
Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide."

VOLM_ERR_UNKNOWN_DEVICE_TYPE (-6104)

Description	This error occurs when an unknown device type was passed.
Action	Check whether the device type is incorrectly specified. If the specified device type is correct, contact the TmaxSoft technical support team.
Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide."

VOLM_ERR_DEVICE_NOT_DEFINED (-6105)

Description	This error occurs when an unknown device number has been passed.
Action	Check whether the device number is incorrectly specified. If necessary, register the device number in the unit.conf file.

Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide."
------------------	---

VOLM_ERR_NO_DEFAULT_VOLSER (-6201)

Description	This error occurs when the default volume serial number is not defined in a system.
Action	Register the default volume serial number in the ds.conf file.
Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide."

VOLM_ERR_DEF_VOLSER_CONFIG (-6202)

Description	This error occurs when the default value serial number configuration is incorrect.
Action	Revise incorrect configuration in the ds.conf file.
Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide."

VOLM_ERR_VOLUME_CONFIGURATION (-6203)

Description	This error occurs when the volume.conf file is incorrect.
Action	Revise incorrect configuration in the volume.conf file.
Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide."

VOLM_ERR_VOLUME_NOT_DEFINED (-6204)

Description	This error occurs when an unknown volume serial number has been passed.
Action	Register the volume in the volume.conf file.
Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide."

VOLM_ERR_NO_PRIMARY_VOLUME (-6301)

Description	This error occurs when there is no primary volume serial number corresponding to a specified device name.
Action	Register one more volume serial number for the device.
Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide."

VOLM_ERR_NO_AMPLE_VOLUME (-6302)

Description	This error occurs when the volume serial number is linked to a volume with insufficient disk space.
Action	Enlarge the disk space linked to a volume serial number or register a new volume serial number.

VOLM_ERR_VOLUME_NOT_FOUND (-6303)

Description	This error occurs when the described volume information cannot be found.
Action	Check whether the described volume exists in the system.

VOLM_ERR_MAX_DEVICE_NUMBER (-6304)

Description	This error occurs when the number of defined devices exceeds the maximum allowed in OpenFrame.
Action	Only define necessary devices in the unit.conf configuration file.
Reference	The maximum number of devices that can currently be defined in OpenFrame is 1024.

VOLM_ERR_INVALID_FILTER_KEY (-6401)

Description	This error occurs when using an invalid FILTER KEY.
Action	Check whether the FILTER KEY is valid.

VOLM_ERR_VTOC_OPEN_ALREADY (-6501)

Description	This error occurs when there is a VOLM library internal system error. (VTOC Open Already)
Action	Contact the TmaxSoft technical support team.

VOLM_ERR_VTOC_NOT_OPEN_YET (-6502)

Description	This error occurs when there is a VOLM library internal system error. (VTOC Not Open Yet)
Action	Contact the TmaxSoft technical support team.

VOLM_ERR_VTOC_OPEN_MODE (-6503)

Description	This error occurs when there is a VOLM library internal system error. (VTOC Open Mode)
Action	Contact the TmaxSoft technical support team.

VOLM_ERR_INVALID_VTOC_FD (-6504)

Description	This error occurs when there is a VOLM library internal system error. (Invalid VTOC FD)
Action	Contact the TmaxSoft technical support team.

VOLM_ERR_VTOC_CORRUPTED (-6505)

Description	This error occurs when the VTOC table is corrupt.
Action	Contact the TmaxSoft technical support team.

VOLM_ERR_VTOC_IO_FAILURE (-6506)

Description	This error occurs in I/O of the VTOC information.
Action	Contact the TmaxSoft technical support team.

VOLM_ERR_SYSTEM_LSTAT (-6901)

Description	This error occurs when the lstat() function call fails.
Action	Contact the system administrator.
Reference	Refer to the system error message displayed when this error occurs.

VOLM_ERR_SYSTEM_CREAT (-6902)

Description	This error occurs when the creat() function call fails.
Action	Contact the system administrator.
Reference	Refer to the system error message displayed when this error occurs.

VOLM_ERR_SYSTEM_UNLINK (-6903)

Description	This error occurs when the unlink() function call fails.
Action	Contact the system administrator.
Reference	Refer to the system error message displayed when this error occurs.

VOLM_ERR_SYSTEM_OPEN (-6904)

Description	This error occurs when the open() function call fails.
Action	Contact the system administrator.
Reference	Refer to the system error message displayed when this error occurs.

VOLM_ERR_SYSTEM_FCNTL (-6905)

Description	This error occurs when the fcntl() function call fails.
Action	Contact the system administrator.
Reference	Refer to the system error message displayed when this error occurs.

VOLM_ERR_SYSTEM_CLOSE (-6906)

Description	This error occurs when the close() function call fails.
Action	Contact the system administrator.
Reference	Refer to the system error message displayed when this error occurs.

VOLM_ERR_SYSTEM_READ (-6907)

Description	This error occurs when the read() function call fails.
--------------------	--

Action	Contact the system administrator.
Reference	Refer to the system error message displayed when this error occurs.

VOLM_ERR_SYSTEM_WRITE (-6908)

Description	This error occurs when the write() function call fails.
Action	Contact the system administrator.
Reference	Refer to the system error message displayed when this error occurs.

VOLM_ERR_SYSTEM_LSEEK (-6909)

Description	This error occurs when the lseek() function call fails.
Action	Contact the system administrator.
Reference	Refer to the system error message displayed when this error occurs.

VOLM_ERR_SYSTEM_OPENDIR (-6910)

Description	This error occurs when the opendir() function call fails.
Action	Contact the system administrator.
Reference	Refer to the system error message displayed when this error occurs.

2.8. LOCKM (-7000)

The LOCKM module is a Lock server client module. This section lists the error codes that can occur in the LOCKM module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

LOCKM_ERR_INTERRUPTED (-7007)

Description	This error occurs when disabling a job waiting for a response to a lock request with the STOP command.
Action	Check the status of the job waiting for a response to the lock request.

LOCKM_ERR_INVALID_REQUEST (-7011)

Description	This error occurs when an invalid parameter is used to call a function or Tmax service.
Action	Restart the ofrlmsvr and ofrlmwrk servers, or check whether the node name is correctly specified.

LOCKM_ERR_MAX_DATA_EXCEEDED (-7014)

Description	This error occurs when the number of locks exceeds the maximum possible number of locks on a dataset with the same JOBID or PID. (999,999)
Action	Release unnecessary locks.

LOCKM_ERR_CONFIG_ERROR (-7015)

Description	This error occurs when LOCK_DATASET, LOG_DATASET, SEQNO_FILE, RECOVERY_TIME or LOG_CLEANUP is not correctly specified in the [LOCK_SERVER] section of the ds.conf configuration file.
Action	Check the specified value.
Reference	Refer to "[LOCK SERVER]" in section "A.5. ds.conf" of the "OpenFrame Dataset Guide."

LOCKM_ERR_LOCK_NAME_IS_EMPTY (-7022)

Description	This error occurs when a lock is requested on a dataset whose name has not been defined.
Action	Contact the TmaxSoft technical support team.

LOCKM_ERR_NODENAME_LENGTH_FAILURE (-7024)

Description	This error occurs when the length of a node name exceeds 64 bytes.
Action	Check the system node name and then limit the node name length to 64 bytes.

LOCKM_ERR_ALREADY_LOCKED (-7032)

Description	This error occurs when any lock is requested when another application holds an exclusive lock.
Action	Check the application that has requested a lock on the dataset through tjesmgr or OFAdmin and then release unnecessary locks.

LOCKM_REQUEST_CANCELLED (-7035)

Description	This error occurs when an application that sent a lock request has been disabled by another application.
Action	Check the status of the disabled application then try again.

LOCKM_ERR_DEADLOCK_DETECTED (-7036)

Description	This error occurs when a deadlock is detected.
Action	Check the deadlock information through tjesmgr or OFAdmin and then disable the locks.

LOCKM_ERR_MEMORY_ALLOC (-7041)

Description	This error occurs when system memory allocation fails.
Action	Check if there is sufficient memory space in the system.

LOCKM_ERR_SEND_SUCCESS_IMMEDIATE (-7062)

Description	This error occurs when immediately replying to the client that sent a lock request. This error message is not delivered to the client.
Action	

LOCKM_ERR_LMWRK_FAIL (-7063)

Description	This error occurs when the ofrlmwrk server has not been started.
Action	Check whether the ofrlmwrk server has successfully started.

LOCKM_ERR_LMSVR_TPACALL_FAIL (-7064)

Description	This error occurs when the tpacall() function call fails.
Action	Check the Tmax error code in the ofrmwk server log.

LOCKM_ERR_TMPLOCK_FILE_OPEN (-7066)

Description	This error occurs when an attempt to open a sequential file on the server fails.
Action	Check whether the read and write permissions specified in the SEQNO_FILE item of the [LOCK_SERVER] section of the ds.conf file are granted to the directory.
Reference	Refer to "[LOCK SERVER]" in section "A.5. ds.conf" of the "OpenFrame Dataset Guide."

LOCKM_ERR_TMPLOCK_FILE_READ (-7072)

Description	This error occurs when attempting to read a sequential file on the server fails.
Action	Check whether read permission to the file has been granted.

LOCKM_ERR_TMPLOCK_FILE_WRITE (-7073)

Description	This error occurs when attempting to write to a sequential file on the server fails.
Action	Check whether write permission to the file has been granted.

LOCKM_ERR_ANOTHER_OBMLMSVR_ALIVE (-7076)

Description	This error occurs when two or more Lock servers are started.
Action	Terminate the server that is currently running and then start the new server.

LOCKM_ERR_INVALID_TOKEN (-7102)

Description	This error occurs when an invalid token has been passed from the client.
Action	Terminate the application and then try again.

LOCKM_ERR_TSAM_CONNECT_FAIL (-7501)

Description	This error occurs when the connection to TSAM has failed.
Action	Check whether the TSAM access information configured in the [TSAM_CLIENT] section of the ds.conf file is correct.

LOCKM_ERR_TSAM_DISCONNECT_FAIL (-7502)

Description	This error occurs when disabling the TSAM connection fails.
Action	Check the status of the TSAM server and then restart the ofrlmsvr and ofrlmwrk servers.

LOCKM_ERR_TSAM_OPEN_FAIL (-7503)

Description	This error occurs when there is a failure to call the tsam_open() function for a LOCK dataset or a LOG dataset.
Action	Check whether LOCK dataset or LOG dataset exists in the LOCK_DATASET or LOG_DATASET field of the [LOCK_SERVER] section of the ds.conf file.

LOCKM_ERR_TSAM_CLOSE_FAIL (-7504)

Description	This error occurs when there is a failure to call the tsam_close() function for LOCK dataset or LOG dataset.
Action	Check the status of the TSAM server and then restart the ofrlmsvr and ofrlmwrk servers.

LOCKM_ERR_TSAM_TX_START (-7505)

Description	This error occurs when the tsam_tx_start() function call fails.
Action	Check the status of the TSAM server and then restart the ofrlmsvr and ofrlmwrk servers.

LOCKM_ERR_TSAM_TX_END_FAIL (-7506)

Description	This error occurs when the <code>tsam_tx_end()</code> function call fails.
Action	Check the status of the TSAM server and then restart the <code>ofrlmsvr</code> and <code>ofrlmwrk</code> servers.

LOCKM_ERR_TSAM_FILENAME_FAIL (-7508)

Description	This error occurs when the <code>tsam_filename()</code> function call fails.
Action	Check whether the LOCK dataset or LOG dataset exists in the <code>LOCK_DATASET</code> or <code>LOG_DATASET</code> field of the <code>[LOCK_SERVER]</code> section of the <code>ds.conf</code> configuration file.

LOCKM_ERR_TSAM_TX_COMMIT_FAIL (-7509)

Description	This error occurs when the <code>tsam_tx_commit()</code> function call fails.
Action	Check the status of the TSAM server and then restart the <code>ofrlmsvr</code> and <code>ofrlmwrk</code> servers.

LOCKM_ERR_TSAM_TX_ROLLBACK_FAIL (-7510)

Description	This error occurs when the <code>tsam_tx_rollback()</code> function call fails.
Action	Check the status of the TSAM server and then restart the <code>ofrlmsvr</code> and <code>ofrlmwrk</code> servers.

LOCKM_ERR_LOCK_DATASET_NOT_OPENED (-7511)

Description	This error occurs when trying to read or write to an unopened LOCK dataset.
Action	Restart the <code>ofrlmsvr</code> and <code>ofrlmwrk</code> servers.

LOCKM_ERR_LOG_DATASET_NOT_OPENED (-7512)

Description	This error occurs when trying to read or write to an unopened LOG dataset.
Action	Restart the <code>ofrlmsvr</code> and <code>ofrlmwrk</code> servers.

LOCKM_ERR_RECORD_NOT_FOUND (-7513)

Description	This error occurs when the lock to be released is not found in the lock dataset.
Action	Check whether the lock dataset is initialized. If this type of error occurs often, contact the system administrator.

LOCKM_ERR_END_OF_FILE (-7514)

Description	This error occurs when EOF is reached while reading a LOCK dataset or LOG dataset.
Action	Contact the TmaxSoft technical support team.

LOCKM_ERR_TSAM_DUPLICATE_RECORD (-7515)

Description	This error occurs when trying to add a record to a LOCK dataset and a record already exists with an identical key value.
Action	Restart the ofrlmsvr and ofrlmwrk servers.

LOCKM_ERR_TSAM_READ_FAIL (-7516)

Description	This error occurs when the tsam_read() function call fails.
Action	Restart the ofrlmsvr and ofrlmwrk servers.

LOCKM_ERR_TSAM_WRITE_FAIL (-7517)

Description	This error occurs when the tsam_write() function call fails.
Action	Restart the ofrlmsvr and ofrlmwrk servers.

LOCKM_ERR_TSAM_START_BR (-7518)

Description	This error occurs when the tsam_start_br() function call fails.
Action	Restart the ofrlmsvr and ofrlmwrk servers.

LOCKM_ERR_TSAM_END_BR (-7519)

Description	This error occurs when the tsam_end_br() function call fails.
Action	Restart the ofrlmsvr and ofrlmwrk servers.

LOCKM_ERR_TSAM_READ_NEXT_FAIL (-7520)

Description	This error occurs when the tsam_read_next() function call fails.
Action	Restart the ofrlmsvr and ofrlmwrk servers.

LOCKM_ERR_TSAM_DELETE_FAIL (-7521)

Description	This error occurs when the tsam_delete() function call fails.
Action	Restart the ofrlmsvr and ofrlmwrk servers.

2.9. PGMDD (-8000)

The PGMDD module is a module which queries the assigned dataset with the DD name. This section lists the error codes that can occur in the PGMDD module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

PGMDD_ERR_INVALID_REQUEST (-8001)

Description	This error occurs when an invalid parameter has been transmitted.
Action	Check whether the parameter is correct to the job and then correct it.

PGMDD_ERR_MEMORY_ALLOC (-8002)

Description	This error occurs when memory allocation fails.
Action	Contact the system administrator.

PGMDD_ERR_NOT_INITIALIZED (-8003)

Description	This error occurs when the PGMDD library function is used without being initialized.
Action	Call the initialize function before using the PGMDD library function.

PGMDD_ERR_BUFFER_OVERFLOW (-8004)

Description	This error occurs when the buffer provided by the search function is too small.
Action	Calculate the buffer size accurately and then provide a larger buffer to store information.

PGMDD_ERR_NOT_IMPLEMENTED (-8009)

Description	This error occurs when there is a PGMDD library internal system error. (Not Implemented)
Action	Contact the TmaxSoft technical support team.

PGMDD_ERR_INVALID_DDNAME (-8201)

Description	This error occurs when a specified DD name is invalid.
Action	Check whether the DD name is correctly specified.

PGMDD_ERR_INVALID_HANDLE (-8202)

Description	This error occurs when there is a PGMDD library usage error. (Invalid Handle)
Action	Contact the TmaxSoft technical support team.

PGMDD_ERR_DD_NOT_FOUND (-8203)

Description	This error occurs when the user-defined DD is not found.
Action	Check whether the DD is defined in the JCL which executes the job.

PGMDD_ERR_GETENV_FORMAT (-8204)

Description	This error occurs when there is a PGMDD library internal system error. (Getenv Format)
Action	Contact the TmaxSoft technical support team.

PGMDD_ERR_DUPLICATE_HEADER (-8205)

Description	This error occurs when there is a PGMDD library usage error. (Duplicate Header)
Action	Contact the TmaxSoft technical support team.

PGMDD_ERR_GETENV_HANDLE (-8207)

Description	This error occurs when there is a PGMDD library internal system error. (Getenv Handle)
Action	Contact the TmaxSoft technical support team.

PGMDD_ERR_SYSTEM_PUTENV (-8901)

Description	This error occurs when the putenv() function call fails.
Action	Contact the system administrator.
Reference	Refer to the displayed error messages.

2.10. TJES (-9000)

The TJES module is responsible for managing Batch JOBS. This section lists the error codes that can occur in the TJES module, descriptions for each error code, suggested corrective action, and in some cases, references for more information.

TJES_ERR_NOT_INITIALIZED (-9001)

Description	This error occurs when the TJES library is used without being initialized.
Action	Contact the TmaxSoft technical support team.

TJES_ERR_NOT_CONNECTED (-9002)

Description	This error occurs when trying to use a TSAM dataset while not connected to TSAM.
Action	Check if TSAM is available. Correct the problem, or if no problem is found, contact the TmaxSoft technical support team.
Reference	Refer to the "OpenFrame Dataset Guide".

TJES_ERR_TX_NOT_STARTED (-9003)

Description	This error occurs when using the TSAM record I/O API without having started a TSAM transaction.
Action	Contact the TmaxSoft technical support team.

TJES_ERR_TX_STARTED (-9004)

Description	This error occurs when trying to start a TSAM transaction that has already started.
Action	Contact the TmaxSoft technical support team.

TJES_ERR_TX_NOT_COMMITED (-9005)

Description	This error occurs when closing a transaction that has not been committed or rolled back.
Action	Contact the TmaxSoft technical support team.

TJES_ERR_DS_NOT_ALLOC (-9012)

Description	This error occurs when a dataset used in TJES has not been allocated.
Action	Check the TJES system dataset and catalog information.

TJES_ERR_EOF (-9029)

Description	This error occurs when the end of a file is reached during sequential reading of an internal file of TJES.
--------------------	--

Action	Contact the TmaxSoft technical support team.
---------------	--

TJES_ERR_FILE_NOT_FOUND (-9051)

Description	This error occurs when an internal file used in TJES cannot be found.
Action	Check the status of the disk in which the spool exists and check access permissions for the disk.

TJES_ERR_TRY_AGAIN (-9040)

Description	This error occurs when there is a failure implementing the TJES two-phase commit protocol logic. This error is not transmitted to external clients.
Action	Contact the TmaxSoft technical support team.

TJES_ERR_INVALID_JOBID (-9100)

Description	This error occurs when a JOBID mismatches the given format. The format of a JOBID is JOBnnnnn (where 0<n<9).
Action	Check whether the JOBID is incorrectly defined when implementing tjesmgr.

TJES_ERR_INVALID_JOBCLASS (-9101)

Description	This error occurs when an invalid JOB CLASS is described. A valid JOB CLASS contains only alphanumeric characters.
Action	Check whether the JOB CLASS is incorrectly specified in the JCL.

TJES_ERR_INVALID_FLAG (-9102)

Description	This error occurs when a function has an invalid flag set. (TJES internal error)
Action	Contact the TmaxSoft technical support team.

TJES_ERR_INVALID_FD (-9103)

Description	This error occurs when a specific file hasn't been opened at a certain point.
Action	Contact the TmaxSoft technical support team.

TJES_ERR_INVALID_TOKEN (-9104)

Description	This error occurs when a token used to update a dataset is invalid. (TJES internal error)
Action	Contact the TmaxSoft technical support team.

TJES_ERR_INVALID_POINTER (-9105)

Description	This error occurs when a pointer which shouldn't be null is set to null. (TJES internal error)
Action	Contact the TmaxSoft technical support team.

TJES_ERR_INVALID_STATUS (-9106)

Description	This error occurs due to an unexpected JOB state. For example, REMOVE can only be used for a JOB in DONE, ERROR, STOP or FLUSH state.
Action	Check whether the API can be called in the current job state.
Reference	Refer to the "OpenFrame TJES Guide".

TJES_ERR_INVALID_LICENSE (-9107)

Description	This error occurs when the TJES license is invalid.
Action	Check the OpenFrame/Batch license and then apply for a reissue of the license if necessary.

TJES_ERR_INVALID_PARAM (-9108)

Description	This error occurs when an invalid parameter has been passed when calling a function or service. (TJES internal error)
--------------------	---

Action	Contact the TmaxSoft technical support team.
---------------	--

TJES_ERR_INVALID_CONFIG (-9109)

Description	This error occurs when a files's configuration values have an unexpected format or content.
Action	Check the tjес.conf file.
Reference	Refer to "Chapter 7. Configuration" in the "OpenFrame TJES Guide."

TJES_ERR_INVALID_LENGTH (-9110)

Description	This error occurs when the length of a parameter exceeds the maximum parameter length, as defined in the dataset definition.
Action	Contact the TmaxSoft technical support team.

TJES_ERR_DUPLICATE_JOBNAME (-9201)

Description	This error occurs when JOBNAME is duplicated while scheduling a job.
Action	Check whether the DUPL_JOBNAME item in the [SCHEDULING] section of the tjес.conf configuration file is correctly configured. To change the configuration, restart the OpenFrame/Batch engine.

TJES_ERR_JOB_NOT_FOUND (-9202)

Description	This error occurs when no job matches a given condition.
Action	Check whether the JOB exists.

TJES_ERR_RUNNER_NOT_FOUND (-9210)

Description	This error occurs when the runner that corresponds to a condition cannot be found.
Action	Check whether the index of the runner is available or use the PSJCLRUN command of tjесmgr (or the runner information in OFAdmin) to check if there is a runner that corresponds to the condition.

TJES_ERR_RUNNER_NOT_READY (-9211)

Description	This error occurs when trying to assign a JOB to a runner that is not in the active state.
Action	Check the state of the runner with the PSJCLRUN command of tjesmgr or by checking the runner information in OFAdmin.

TJES_ERR_CLASS_NOT_FOUND (-9212)

Description	This error occurs when a JOB is assigned to a runner but the runner cannot execute the JOB class. This error may occur if a user modifies the JOB class or the runner class in between the scheduling of the JOB and the allocation of the JOB to the runner by OBMJINIRUN.
Action	Check the JOB class and the runner class.
Reference	Refer to "JOB scheduling policy" in the "OpenFrame TJES Guide."

TJES_ERR_NODE_NOT_BOOTED (-9220)

Description	This error occurs when a JOB cannot be assigned to a specific runner because the node that corresponds to the runner has not been started. This error may occur if a user closes the node in between the scheduling of the JOB and the allocation of the JOB to the runner by OBMJINIRUN.
Action	Check the node state using the NODEST command of tjesmgr.
Reference	Refer to the "OpenFrame TJES Guide."

TJES_ERR_NODE_MISMATCH (-9221)

Description	This error occurs when an unexpected node is processing the TJES service. This error occurs in services which provides node-name based routing.
Action	Check the NODE, SERVICE, and ROUTING section in the Tmax configuration.
Reference	Refer to the "Tmax Administration Guide."

TJES_ERR_NODE_NOT_FOUND (-9222)

Description	This error occurs when a request is transmitted from the obmjinit server to a node which obmjschd server does not recognize. (TJES internal error)
Action	Check whether the Tmax configuration is correctly defined for every node since the obmjschd server monitors the nodes through Tmax configuration.
Reference	Refer to the "Tmax Administration Guide."

TJES_ERR_JOBQ_FULL (-9300)

Description	TJES issues a unique JOBID for every incoming job within the specified range. This error occurs when no JOBID is available for a new job because there are not enough JOBIDs.
Action	Delete an unused job from the job queue or remove JOBS through SPOOL backup and return the JOBID resource to TJES.
Reference	Refer to the "OpenFrame TJES Guide."

TJES_ERR_INTERNAL (-9301)

Description	This error occurs when there is a TJES internal error.
Action	Contact the TmaxSoft technical support team.

TJES_ERR_RESOURCE_LIMIT (-9302)

Description	This error occurs when all resources are in use in TJES.
Action	Check the TJES resource constraints.

TJES_ERR_SHM_OCCUPIED (-9303)

Description	This error occurs when the shared memory key to be used by TJES has already been allocated to another program.
Action	Modify the tjес.conf configuration file or ensure that other modules do not use this shared memory key.

TJES_ERR_JOBG_DELETED (-9400)

Description	This error code notifies the user that a JOB GROUP has been deleted. (Only for XSP)
Action	No action needs to be taken.

TJES_ERR_JOBG_NOT_DELETED (-9401)

Description	This error code notifies the user that a JOB GROUP has not been deleted. (Only for XSP)
Action	No action needs to be taken.

TJES_ERR_JOBG_DUPLICATED (-9402)

Description	This error code notifies the user that a JOB GROUP name already exists. (Only for XSP)
Action	Use a different name for the JOB GROUP.

TJES_ERR_JOBG_NOT_FOUND (-9403)

Description	This error occurs when a specified JOB GROUP cannot be found. (Only for XSP)
Action	Check the JOB GROUP name.

TJES_ERR_SYSTEM (-9500)

Description	This error occurs when a UNIX system function call fails.
Action	Check the error message log of the module and if the problem is with the UNIX system, correct it. This error may be related to access rights, path, temporary space, or swap space configuration settings.

TJES_ERR_NET_NOT_FOUND (-9610)

Description	This error occurs when a specified JOBNET cannot be found. (Only for VOS3)
Action	Check the JOBNET name.

TJES_ERR_NETVER_MISMATCH (-9611)

Description	This error occurs when the version of JOBNET INFO to be used in TJES does not match the version of the JOBNET INFO file. (Only for VOS3)
Action	Check the PATCH details. If necessary, use tjesinit to initialize the JOBNET information so that the versions match.

TJES_ERR_NETJOB_NOT_FOUND (-9620)

Description	This error occurs when a specified JOB cannot be found in JOBNET. (Only for VOS3)
Action	Check the JOB name and check that the NET statement exists in the corresponding JOB.

TJES_ERR_NETJOB_FULL (-9621)

Description	This error occurs when the number of jobs allocated to a given JOBNET exceeds the limit and no more jobs can be added. (Only for VOS3)
Action	Split the JOBNET into two or more JOBNETs and connect them using the NETREL properties.

TJES_ERR_NETJOB_DUPLICATED (-9622)

Description	This error occurs when a specified JOB name already exists in the JOBNET, so the JOB cannot be submitted. (Only for VOS3)
Action	If necessary, delete the JOB in JOBNET and submit the JOB again.

TJES_ERR_TPALLOC (-9700)

Description	This error occurs when the Tmax tmalloc() function call fails.
Action	Refer to the error log of the module and then contact the TmaxSoft technical support team.
Reference	Refer to the errors generated from the tmalloc() or fmalloc() function call explained in the "Tmax Reference Guide".

TJES_ERR_TPFREE (-9701)

Description	This error occurs when the Tmax tpfree() function call fails.
Action	Refer to the error log of the module and then contact the TmaxSoft technical support team.
Reference	Refer to the errors generated from the tpfree() or fbfree() function call explained in the "Tmax Reference Guide".

TJES_ERR_TPCALL (-9702)

Description	This error occurs when the Tmax tpcall() function call fails.
Action	Check the error log of the module to determine if the service returned TPFAIL or abnormally terminated.
Reference	Refer to the errors generated from the tpcall() function call explained in the "Tmax Reference Guide".

TJES_ERR_TPREGCB (-9703)

Description	This error occurs when the Tmax tpregcb() function call fails.
Action	Refer to the error log of the module and then contact the TmaxSoft technical support team.
Reference	Refer to the "Tmax Reference Guide".

TJES_ERR_TPSCCHEDULE (-9704)

Description	This error occurs when the Tmax tpschedule() function call fails.
Action	Refer to the error log of the module and then contact the TmaxSoft technical support team.
Reference	Refer to the "Tmax Reference Guide".

TJES_ERR_TPGETMYNODE (-9705)

Description	This error occurs when the Tmax tpgetmynode() function call fails.
Action	Refer to the error log of the module and then contact the TmaxSoft technical support team.

Reference	Refer to the "Tmax Reference Guide".
------------------	--------------------------------------

TJES_ERR_TMADMIN (-9706)

Description	This error occurs when the Tmax tmaxadmin() function call fails.
Action	Refer to the error log of the module and then contact the TmaxSoft technical support team.
Reference	Refer to the "Tmax Reference Guide".

TJES_ERR_TPGETACTIVESVR (-9707)

Description	This error occurs when the Tmax tpgetactivesvr() function call fails.
Action	Refer to the error log of the module and then contact the TmaxSoft technical support team.
Reference	Refer to the "Tmax Reference Guide".

TJES_ERR_TPACALL (-9708)

Description	This error occurs when the Tmax tpacall() function call fails.
Action	Check the error log of the module to determine whether the service returned TPFail or abnormally terminated.
Reference	Refer to the "Tmax Reference Guide" to find the errors that occurred while processing the tpacall() function call.

TJES_ERR_TPREALLOC (-9709)

Description	This error occurs when the Tmax tprealloc() function call fails.
Action	Refer to the error log of the module and then contact the TmaxSoft technical support team.
Reference	Refer to the "Tmax Reference Guide" to find the error that occurred while processing tprealloc() or fbrealloc() function call.

TJES_ERR_FBPUT (-9710)

Description	This error occurs when the Tmax fbput() function call fails.
Action	Refer to the error log of the module and then contact the TmaxSoft technical support team.
Reference	Refer to the "Tmax FDL Reference Guide."

TJES_ERR_FBGET (-9711)

Description	This error occurs when the Tmax fbget() function call fails.
Action	Refer to the error log of the module and then contact the TmaxSoft technical support team.
Reference	Refer to the "Tmax FDL Reference Guide".

TJES_ERR_FBGETLEN (-9712)

Description	This error occurs when the Tmax fbgetlen() function call fails.
Action	Refer to the error log of the module and then contact the TmaxSoft technical support team.
Reference	Refer to the "Tmax FDL Reference Guide".

TJES_ERR_JCL_PATH (-9800)

Description	This error occurs when the JCL file path defined in the job submitted is not accessible. This error occurs when the JCL file does not exist, or the user doesn't have sufficient access rights for the file, or the JCL path that can be accessed only locally is transmitted via the obmjmsvr server in another node.
Action	Check whether sufficient access rights have been granted for the file and check whether the JCL file exists or that it can be accessed from every node.

TJES_ERR_JCL_SYNTAX (-9801)

Description	This error occurs when an error is detected in a submitted JCL statement.
Action	Revise the JCL and then resubmit it.

TJES_ERR_NO_SUBM_TOKEN (-9900)

Description	This error occurs when a TACF token is not submitted with a request.
Action	Check the JCL path and the user who submitted the JCL.

TJES_ERR_NO_SUBM_ACCOUNT (-9901)

Description	This error occurs when the TACF token of the user who submitted a job is invalid. This error might occur because the ofrsasvr server was restarted.
Action	Log in again to get a valid TACF token and then submit a job.

TJES_ERR_NO_EXEC_ACCOUNT (-9902)

Description	This error occurs when a TACF token cannot be generated with the user ID defined in a submitted JCL.
Action	Check whether the user ID and password defined in the JCL are valid.

TJES_ERR_SURROGATE_DENIED (-9903)

Description	This error occurs when submitting a job that uses a surrogate user ID and the submitter does not have surrogate authority.
Action	The job should be submitted by a submitter having surrogate authority or the submitter who failed to submit the job should be granted surrogate authority.
Reference	Refer to the "OpenFrame TACF Administrator's Guide".

2.11. AMSX (-10000)

The AMSX module is responsible for dataset allocation and management. This section lists the error codes that can occur in the AMSX module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

AMSX_ERR_DUPLICATE_RECORD (-10001)

Description	This error occurs when trying to add a record and an identically named record already exists.
--------------------	---

Action	Check whether there is a record which has an identical name and then change the name of record to be registered.
---------------	--

AMSX_ERR_NOT_FOUND (-10002)

Description	This error occurs when the entry to be searched is not registered in the catalog.
Action	Check whether the entry is cataloged and then correct the name of the entry.

AMSX_ERR_MEMORY_ALLOC (-10003)

Description	This error occurs when memory allocation fails.
Action	Contact the system administrator.

AMSX_ERR_INTERNAL (-10004)

Description	This error occurs when there is an AMSX library internal system error.
Action	Contact TmaxSoft technical support.

AMSX_ERR_NOT_IMPLEMENTED (-10005)

Description	This error occurs when there is an AMSX library internal system error. (Not Implemented)
Action	Contact TmaxSoft technical support.

AMSX_ERR_INVALID_INPUT_PARAM (-10101)

Description	This error occurs when a given value for the parameter is invalid.
Action	When implementing the application, check whether the input value is correct.

AMSX_ERR_INVALID_ALLOC_PARAM (-10102)

Description	This error occurs when a given Allocate item is invalid.
Action	When implementing the application, check whether the Allocate item is correct.

AMSX_ERR_INVALID_FSPEC_TYPE (-10103)

Description	This error occurs when a given file type is invalid.
Action	When implementing the application, check whether the file type is correct.

AMSX_ERR_INVALID_CATALOG_NAME (-10104)

Description	This error occurs when a given catalog name is invalid.
Action	When implementing the application, check whether the catalog name is correct.

AMSX_ERR_INVALID_ENTRY_NAME (-10105)

Description	This error occurs when a given entry name is invalid.
Action	When implementing the application, check whether the entry name is correct.

AMSX_ERR_INVALID_ENTRY_TYPE (-10106)

Description	This error occurs when a given entry type is invalid.
Action	When implementing the application, check whether the entry type is correct.

AMSX_ERR_INVALID_MEMBER_NAME (-10107)

Description	This error occurs when a given member name is invalid.
Action	When implementing the application, check whether the member name is correct.

AMSX_ERR_INVALID_FILE_PATH (-10108)

Description	This error occurs when a given file path is invalid.
Action	When implementing the application, check whether the file path is correct.

AMSX_ERR_INVALID_DATASET_NAME (-10109)

Description	This error occurs when a given name of a dataset is invalid.
--------------------	--

Action	When implementing the application, check whether the name of the dataset is correct.
---------------	--

AMSX_ERR_INVALID_DCB_TYPE (-10110)

Description	This error occurs when there is an AMSX library internal system error. (Invalid DCB Type)
Action	Contact TmaxSoft technical support.

AMSX_ERR_INVALID_PORTABLE_DS (-10111)

Description	This error occurs when executing IDCAMS Import and the specified dataset is not a Portable dataset.
Action	The specified dataset must be a Portable dataset, which is created with the IDCAMS Export command.
Reference	Refer to section "2.2.IDCAMS" in the "OpenFrame Utility Reference Guide."

AMSX_ERR_INVALID_LRECL (-10112)

Description	This error occurs if there is a size mismatch when trying to copy a record into a dataset.
Action	Check the size of the record to be copied and specify the record size of target dataset.

AMSX_ERR_INVALID_VOLUME_SERIAL (-10113)

Description	This error occurs when the specified volume serial number is invalid.
Action	When implementing the application, check that the volume serial number is correct.

AMSX_ERR_INVALID_VSAMTYPE (-10114)

Description	This error occurs when there is an AMSX library internal system error. (Invalid VSAM Type)
--------------------	--

Action	Contact TmaxSoft technical support.
---------------	-------------------------------------

AMSX_ERR_NOT_INITIALIZED (-10201)

Description	This error occurs when an AMSX library API is used without being initialized.
Action	Call the initialize function before using the AMSX library API.

AMSX_ERR_DUPLICATE_DATASET (-10202)

Description	This error occurs when there is an AMSX library internal system error. (Duplicate dataset)
Action	Contact TmaxSoft technical support.

AMSX_ERR_ENTRY_TYPE_MISMATCH (-10203)

Description	This error occurs when there is an AMSX library internal system error. (Entry Type Mismatch)
Action	Contact TmaxSoft technical support.

AMSX_ERR_BUFER_OVERFLOW (-10204)

Description	This error occurs when the size of the buffer passed to execute BLDL is not sufficient to save actual data.
Action	Contact TmaxSoft technical support.

2.12. SMS (-11000)

SMS is a module which provides SMS and ACS functions. This section lists the error codes that can occur in the SMS module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

SMS_ERR_INVALID_REQUEST (-11001)

Description	This error occurs when an invalid parameter is transmitted.
--------------------	---

Action	Check whether the parameter is correct for the job and then correct it.
---------------	---

SMS_ERR_MEMORY_ALLOC (-11002)

Description	This error occurs when memory allocation fails.
Action	Contact the system administrator.

SMS_ERR_NOT_IMPLEMENTED (-11009)

Description	This error occurs when there is an SMS library internal system error (Not Implemented).
Action	Contact TmaxSoft technical support.

SMS_ERR_NULL_CLASS_NAME (-11101)

Description	This error occurs when there is an SMS library usage system error (Null Class Name).
Action	Contact TmaxSoft technical support.

SMS_ERR_CLASS_NOT_FOUND (-11102)

Description	This error occurs when the SMS class name defined in the JCL cannot be found.
Action	Register the SMS class in the sms.conf file.
Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide".

SMS_ERR_INVALID_CLASS_NAME (-11103)

Description	This error occurs when the SMS class name defined in the JCL is invalid.
Action	Check the running JCL to determine whether the SMS class name is correct.
Reference	The maximum string (A-X, 0-9) length for an SMS class is 8 bytes.

SMS_ERR_INVALID_SMS_CONFIG (-11104)

Description	This error occurs when the configuration for the sms.conf file registered for the SMS class is invalid.
Action	Revise the sms.conf file.
Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide".

SMS_ERR_VOLUME_NOT_FOUND (-11105)

Description	This error occurs when the volume serial number defined in the storage class cannot be found.
Action	Only the volume serial number registered in the volume.conf file can be specified for the storage class. Otherwise, register a new volume serial number in the volume.conf file.
Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide".

SMS_ERR_TOO_MANY_VOLUMES (-11106)

Description	This error occurs when too many volume serial numbers are defined in a single storage class. The string length of a volume serial number for a storage class should be under 4096 bytes.
Action	Only register volume serial numbers that are actually needed.
Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide".

SMS_ERR_DSNAME_IS_NULL (-11201)

Description	This error occurs when there is an SMS library usage error. (Dsname is Null)
Action	Contact the TmaxSoft technical support team.

SMS_ERR_DEFAULT_MGMTCLAS (-11202)

Description	This error occurs when a default management class name defined in the ds.conf file is not valid.
Action	Check whether the default management class in the ds.conf file is correct.
Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide".

SMS_ERR_DEFAULT_STORCLAS (-11203)

Description	This error occurs when a default storage class name defined in the ds.conf file is not valid.
Action	Check whether the default storage class in the ds.conf file is correct.
Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide".

SMS_ERR_ACS_CONFIGURATION (-11204)

Description	This error occurs when the configuration in the acs.conf file is not valid.
Action	Check whether the configuration in the acs.conf file is correct.
Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide".

SMS_ERR_ACS_NOT_DEFINED (-11205)

Description	This error occurs when there is no configuration in the acs.conf file.
Action	Specify the items in the acs.conf file in a correct format.
Reference	Refer to "Appendix A. Configuration File" in the "OpenFrame Dataset Guide".

2.13. DSCOM (-12000)

The DSCOM module is a dataset common library module. This section lists the error codes that can occur in the DSCOM module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

DSCOM_ERR_INVALID_REQUEST (-12001)

Description	This error occurs when an invalid parameter has been transmitted.
Action	Contact the TmaxSoft technical support team.

DSCOM_ERR_MEMORY_ALLOC (-12002)

Description	This error occurs when system memory allocation fails.
Action	Contact the system administrator.

DSCOM_ERR_INTERNAL (-12003)

Description	This error occurs when there is a DSCOM library internal system error.
Action	Contact TmaxSoft technical support.

DSCOM_ERR_NOT_IMPLEMENTED (-12009)

Description	This error occurs when there is a DSCOM library internal system error. (Not Implemented)
Action	Contact TmaxSoft technical support.

DSCOM_ERR_INVALID_DSNAME (-12101)

Description	This error occurs due to an invalid dataset name.
Action	Check the dataset name.

DSCOM_ERR_INVALID_MEMBER (-12102)

Description	This error occurs due to an invalid member name.
Action	Check the member name.

DSCOM_ERR_INVALID_GENERATION (-12103)

Description	This error occurs due to an invalid GDS name.
Action	Check the GDS name.

DSCOM_ERR_DSNAME_LENGTH (-12105)

Description	This error occurs due to invalid dataset name length.
Action	Check the name length of the dataset.

DSCOM_ERR_MEMBER_LENGTH (-12106)

Description	This error occurs due to invalid member name length.
Action	Check the member name length.

DSCOM_ERR_GENERATION_LENGTH (-12107)

Description	This error occurs due to invalid GDS name length.
Action	Contact TmaxSoft technical support.

DSCOM_ERR_INVALID_PARAM (-12201)

Description	This error occurs due to an invalid parameter value.
Action	Check the parameter value.

DSCOM_ERR_INVALID_ODO_COUNT (-12202)

Description	This error occurs due to an invalid ODO (OCCURS DEFENDING ON) field value.
Action	Check the ODO field value.

DSCOM_ERR_INVALID_SCHEMA (-12203)

Description	This error occurs when an invalid schema file is used.
Action	Check the schema file.

DSCOM_ERR_SYSTEM_POPEN (-12901)

Description	This error occurs in the popen() system call function.
Action	Contact TmaxSoft technical support.

DSCOM_ERR_SYSTEM_FOPEN (-12902)

Description	This error occurs in the fopen() system call function.
--------------------	--

Action	Contact TmaxSoft technical support.
---------------	-------------------------------------

DSCOM_ERR_SYSTEM_FREAD (-12903)

Description	This error occurs in the fread() system call function.
Action	Contact TmaxSoft technical support.

DSCOM_ERR_SYSTEM_FWRITE (-12904)

Description	This error occurs in the fwrite() system call function.
Action	Contact TmaxSoft technical support.

DSCOM_ERR_SYSTEM_STRTOL (-12905)

Description	This error occurs in the strtol() system call function.
Action	Contact TmaxSoft technical support.

2.14. SPOOL (-13000)

The SPOOL module is responsible for creating, deleting, backing up, and recovering SPOOL datasets. This section lists the error codes that can occur in the SPOOL module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

SPOOL_ERR_MALLOC (-13001)

Description	This error occurs when system memory allocation fails.
Action	Check whether there is sufficient memory space in the system. Analyze the error log to determine the proper response for the circumstances.

SPOOL_ERR_SYSTEM (-13002)

Description	This error occurs when the system() function call fails.
Action	Check whether too many processes are running.

SPOOL_ERR_OPEN (-13011)

Description	This error occurs when opening a file fails.
Action	Check whether the file exists. Analyze the error log to determine the proper response for the circumstances.

SPOOL_ERR_READ (-13012)

Description	This error occurs when reading a file fails.
Action	Check whether sufficient access rights to the file are granted. Analyze the error log to determine the proper response for the circumstances.

SPOOL_ERR_WRITE (-13013)

Description	This error occurs when writing a file fails.
Action	Check whether you have access right to the file. Analyze the error log to determine the proper response for the circumstances.

SPOOL_ERR_UNLINK (-13014)

Description	This error occurs when deleting a file fails.
Action	Check whether you have access rights to the file. Analyze the error log to determine the proper response for the circumstances.

SPOOL_ERR_LOCK (-13015)

Description	This error occurs when locking a file fails.
Action	Analyze the error log to determine the proper response for the circumstances.

SPOOL_ERR_UNLOCK (-13016)

Description	This error occurs when unlocking a file fails.
Action	Analyze the error log to determine the proper response for the circumstances.

SPOOL_ERR_LSEEK (-13017)

Description	This error occurs when the lseek() function call fails.
Action	Analyze the error log to determine the proper response for the circumstances.

SPOOL_ERR_STAT (-13018)

Description	This error occurs when the stat() function call fails.
Action	Check whether the file or directory exists. Analyze the error log to determine the proper response for the circumstances.

SPOOL_ERR_OPEN_DIRECTORY (-13021)

Description	This error occurs when opening a directory fails.
Action	Check whether the directory exists. Analyze the error log to determine the proper response for the circumstances.

SPOOL_ERR_MAKE_DIRECTORY (-13022)

Description	This error occurs when creating a directory fails.
Action	Check whether the name of the directory to be created already exists. Analyze the error log to determine the proper response for the circumstances.

SPOOL_ERR_REMOVE_DIRECTORY (-13023)

Description	This error occurs when deleting a directory fails.
Action	Analyze the error log to determine the proper response for the circumstances.

SPOOL_ERR_GET_WORKING_DIR (-13024)

Description	This error occurs when getting the current working directory fails.
Action	Analyze the error log to determine the proper response for the circumstances.

SPOOL_ERR_CHANGE_WORKING_DIR (-13025)

Description	This error occurs when changing the current working directory fails.
Action	Analyze the error log to determine the proper response for the circumstances.

SPOOL_ERR_BUFLLEN (-13101)

Description	This error occurs when a buffer length is not long enough.
Action	A patch is needed.

SPOOL_ERR_SYSOUT_LIMIT (-13102)

Description	This error occurs when the number of SPOOL datasets exceeds 512.
Action	Revise this number in JCL SYSOUT.

SPOOL_ERR_INVALID_INPUT (-13103)

Description	This error occurs when an INPUT parameter for the API is null.
Action	Check whether there is a memory error in the process. Analyze the error log to determine the proper response for the circumstances.

SPOOL_INVALID_CONFIG (-13104)

Description	This error occurs when retrieving data from the configuration file fails.
Action	Check the logs to determine whether the configuration is correctly defined.

2.15. CPMLIB (-15000)

The CPMLIB module is responsible for converting code pages. This section lists the error codes that can occur in the CPMLIB module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

CPMNAME_IS_NULL (-15001)

Description	This error occurs when a cpm name parameter is set to null.
Action	Check whether the name of the cpm is correctly specified. If there is no problem with the name, contact the system administrator.

NOT_SET_CPMDIR (-15002)

Description	This error occurs when the CPMDIR environment variable is null.
Action	Specify a CPMDIR environment variable.

CPM_OPEN_ERROR (-15003)

Description	This error occurs while opening a cpm file.
Action	Check whether the specified directory exists.

CPM_READ_ERROR (-15004)

Description	This error occurs while reading a cpm file.
Action	Check whether a valid cpm file exists in the specified directory.

CPM_WRITE_ERROR (-15005)

Description	This error occurs while writing to a cpm file.
Action	Contact the system administrator.

UCMNAME_IS_NULL (-15006)

Description	This error occurs when the ucm name parameter is null.
Action	Check whether the name of the ucm parameter is correctly specified. If there is no problem with the name, contact the system administrator.

UCM_OPEN_ERROR (-15007)

Description	This error occurs while opening a ucm file.
Action	Check whether the file exists in the specified directory.

UCM_READ_ERROR (-15008)

Description	This error occurs while reading a ucm file.
Action	Check whether a valid format of the ucm file exists in the specified directory.

UCM_WRITE_ERROR (-15009)

Description	This error occurs while writing on a ucm file.
Action	Contact the system administrator.

CPMMAP_IS_NULL (-15010)

Description	This error occurs when the parameter sent to the internal function is null.
Action	Contact the system administrator.

2.16. MVSSYS (-16000)

The MVSSYS module is responsible for processing JES commands. This section lists the error codes that can occur in the MVSSYS module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

MVSSYS_ERR_INVALID_COMMAND (-16001)

Description	This error occurs when the syntax format of a MVS system command parameter is not valid.
Action	Check the specified MVS system command parameter.
Reference	MVS system command syntax: <ul style="list-style-type: none">- START command: (START S) membername[,JOBNAME=jobname]- ROUTE command: (ROUTE RO) sysname, text

MVSSYS_ERR_EXECUTE_FAILURE (-16002)

Description	This error occurs when an MVS system command is not successfully executed.
Action	Check the error logs for the MVS system commands.

MVSSYS_ERR_CMD_NOT_SUPPORTED (-16003)

Description	This error occurs when the MVS system command is not supported or it is specified in an invalid format.
Action	Check the specified MVS system command.
Reference	<ul style="list-style-type: none">- The following are the available MVS system commands: ROUTE, RO, START, S- Commands for another system or node: ROUTE, RO Command- Commands for executing a job using the internal reader: START, S .

2.17. SAF (-17000)

The SAF module is responsible for OpenFrame system security. This section lists the error codes that can occur in the SAF module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

SAF_ERR_MEMORY_ALLOC (-17003)

Description	This error occurs when there is a failure to allocate memory.
Action	Check whether there is sufficient memory space available.

SAF_ERR_INTERNAL (-17004)

Description	This error occurs when a Tmax API call fails.
Action	Check whether Tmax configuration is correct.

SAF_ERR_INVALID_REQUEST (-17005)

Description	This error occurs when an invalid parameter is used to call the function.
--------------------	---

Action	Contact TmaxSoft technical support.
---------------	-------------------------------------

SAF_ERR_NOT_IMPLEMENTED (-17006)

Description	This error occurs when using OS authentication and TACF Manager is used to execute add/change/delete/inquiry for groups or add/delete/change/inquiry for users.
Action	Use the OS function instead of TACF Manager.

SAF_ERR_NOT_INITIALIZED (-17007)

Description	This error occurs when the SAF module is used without being initialized.
Action	<p>Check whether TACF initialization is performed successfully by doing the following:</p> <ul style="list-style-type: none"> -Check whether the permissions for the directory specified in the DATA_DIR item of the [DIRECTORY] section in the ofsys.conf configuration file are properly assigned. -Check whether the directory specified in the LOG_DIRECTORY item of the [TACF_DEFAULT] section in the tacf.conf configuration file is valid.

SAF_ERR_AUTH_CONFIGURATION (-17008)

Description	This error occurs when the OS_AUTH and TACF_AUTH items in the [AUTH_METHOD] section of the tacf.conf configuration file are set to NO.
Action	Specify either OS authentication or TACF authentication to YES based on the authentication type.

SAF_ERR_GROUPNAME_TOO_LONG (-17009)

Description	This error occurs when the length of a group name exceeds 8 bytes.
Action	Change the name to 8 bytes or less.

SAF_ERR_TACF_NOT_ACTIVE (-17010)

Description	This error occurs when using the TACF function without it being activated.
Action	Set the TACF_AUTH item of the [AUTH_METHOD] section in the tacf.conf configuration file to YES.

SAF_ERR_DISCONNECTED (-17011)

Description	This error occurs when connection to the database has been lost.
Action	Check whether there is a problem with the database connection.
Reference	<p>If the following codes are returned from the DBMS while using Oracle or Tiberio, it is considered "disconnected from DBMS."</p> <ul style="list-style-type: none">• [Oracle]<ul style="list-style-type: none">– ORA-01012 not logged on– ORA-01034 Oracle not available– ORA-01089 immediate shutdown in progress– no operations are permitted– ORA-01092 Oracle instance terminated. Disconnection forced– ORA-03113 end-of-file on communication channel– ORA-03114 not connected to Oracle– ORA-12541 TNS:no listener– ORA-12547 TNS:lost contact– ORA-12571 TNS:packet writer failure• [Tiberio]<ul style="list-style-type: none">– 23014 connection does not exist– 23063 I/O read error– 23064 I/O write error– 23078 duplicated request– 24004 I/O read error– 24005 I/O write error

	<ul style="list-style-type: none"> – 24008 fail to colse fd – 24010 client unable to establish connection <p>Other error codes are described in the SQLCODE_DISCONNECTION item of the [TACF_DEFAULT] section in the tacf.conf configuration file.</p>
--	---

SAF_ERR_OFCOM_CONFIGURATION (-17012)

Description	This error occurs when there is no configuration for the DATA_DIR item of the [DIRECTORY] section in the ofsys.conf configuration file.
Action	Check the environment configuration file.

SAF_ERR_ELEMENT_NOT_FOUND (-17014)

Description	This error occurs when data caching is not implemented in memory. However, the user is not notified of this error code.
Action	Contact TmaxSoft technical support.

SAF_ERR_DUPLICATE_ELEMENT (-17015)

Description	This error occurs when trying to register data that is already cached in the memory.
Action	Contact TmaxSoft technical support.

SAF_ERR_DUPLICATE_GROUP (-17101)

Description	This error occurs when trying to add a group that already exists.
Action	Revise the name of the group to be added and then register again.

SAF_ERR_GROUP_NOT_FOUND (-17102)

Description	This error occurs when the GROUP profile cannot be found.
--------------------	---

Action	Check if the group profile exists. If no profile exists, request that the security administrator create the group profile.
---------------	--

SAF_ERR_DUPLICATE_USER (-17103)

Description	This error occurs when adding a user who already exists.
Action	Change the user ID for the new user to be added, then register again.

SAF_ERR_USER_NOT_FOUND (-17104)

Description	This error occurs when a user profile cannot be found.
Action	Check if the user profile exists. If no profile exists, request that the security administrator create the user profile.

SAF_ERR_USER_REVOKED (-17105)

Description	This error occurs when a user in REVOKE status tries to log in to the system.
Action	Contact the security administrator.

SAF_ERR_CLASS_NOT_FOUND (-17109)

Description	This error occurs when a class profile cannot be found.
Action	Check if the class profile exists.. If no profile exists, request that the security administrator create the class profile.

SAF_ERR_DUPLICATE_PROFILE (-17110)

Description	This error occurs when trying to add a dataset or general resource that already exists.
Action	Change the name of the dataset or general resource and then register again.

SAF_ERR_PROFILE_NOT_FOUND (-17111)

Description	This error occurs when the dataset or general resource profile cannot be found.
Action	Check that the dataset or general resource profile exists. If it doesn't exist, request that the security administrator create it.

SAF_ERR_DUPLICATE_MEMBER (-17113)

Description	This error occurs when trying to add a member that already exists in the group resource.
Action	Delete the duplicate member and then try again.

SAF_ERR_DUPLICATE_ACCESS_LIST (-17114)

Description	This error occurs when trying to add an access authority list that already exists.
Action	Check whether the access authority list to be added is correct.

SAF_ERR_VERIFICATION_FAILURE (-17201)

Description	This error occurs when authenticating a user fails.
Action	Check whether the user ID and password are correct.

SAF_ERR_NOT_AUTHORIZED (-17202)

Description	This error occurs when there are insufficient access rights for a dataset or general resource.
Action	Request that the security administrator grant access to the dataset or general resource.

SAF_ERR_GROUP_NOT_CONNECTED (-17203)

Description	This error occurs when trying to connect a user to a specific group which does not exist.
Action	Check whether the group profile exists.

SAF_ERR_OWNER_NOT_FOUND (-17204)

Description	This error occurs when the user or group to be specified as an OWNER cannot be found.
Action	Check whether the profile for the user or group exists.

SAF_ERR_NOTIFY_NOT_FOUND (-17205)

Description	This error occurs when a user or group to be specified as NOTIFY, cannot be found.
Action	Check whether the profile of the user or group exists.

SAF_ERR_SUPGROUP_NOT_FOUND (-17208)

Description	This error occurs when the profile of the group to be specified as a superior group cannot be found.
Action	Check if the specified superior group profile exists. If it does not exist, request a new registration from the security administrator.

SAF_ERR_SUPGROUP_AND_OWNER (-17209)

Description	This error occurs when the OWNER name is different from that of the superior group.
Action	Specify the same name for the OWNER group and the superior group.

SAF_ERR_DFTGROUP_NOT_FOUND (-17210)

Description	This error occurs when the default group profile cannot be found.
Action	Check the name of the default group.

SAF_ERR_NER_PASSWD_REQUIRED (-17211)

Description	This error occurs when the current password has expired.
Action	Change the password.

Reference	Refer to the Password change cycle section in the “OpenFrame TACF Guide”.
------------------	---

SAF_ERR_LOGIN_NOT_ALLOWED (-17212)

Description	This error occurs when attempting access during a restricted use period.
Action	Check the USER profile to determine when the user is allowed to access the system (the day of the week or time zone).
Reference	Refer to the WDAY or WTIME of the "2.3 USER profile" section in the “OpenFrame TACF Guide”.

SAF_ERR_PASSWORD_INCORRECT (-17213)

Description	This error occurs when the current password specified with the PASSWORD command is incorrect.
Action	Check the current password.
Reference	Refer to the Password change cycle section in the “OpenFrame TACF Guide”.

SAF_ERR_SUSPENDED_USER (-17214)

Description	This error occurs when a locked user account attempts to access the system.
Action	Wait until the user is unlocked after the specified period of time and then try again.
Reference	Refer to the Account lock status in the “OpenFrame TACF Guide”.

SAF_ERR_LOCK_FILE_OPEN (-17801)

Description	This error occurs when locking a file managed in TACF fails.
Action	Check whether the system administrator has permissions to READ and WRITE to the \$OPENFRAME_HOME/data directory.

SAF_ERR_LOCK_FILE_LOCK (-17802)

Description	This error occurs when locking a file fails.
Action	Contact the system administrator.

SAF_ERR_LOG_FILE_OPEN (-17803)

Description	This error occurs when generating a TACF log file fails.
Action	Check whether sufficient access rights for log generation directory are specified in the configuration file.

SAF_ERR_LOG_FILE_WRITE (-17804)

Description	This error occurs when writing to a TACF log file fails.
Action	Check whether there are sufficient access rights for the file and sufficient disk space.

SAF_ERR_GETGR_SYSTEM_CALL (-17901)

Description	This error occurs when the getgrgid() system call fails.
Action	Check whether the system administrator has root authority for the operating system.

SAF_ERR_CRYPT_SYSTEM_CALL (-17903)

Description	This error occurs when the crypt() system call fails.
Action	Check whether the system administrator has root authority for the operating system.

SAF_ERR_SETSP_SYSTEM_CALL (-17904)

Description	This error occurs when the setpwnb() system call fails.
Action	Check whether the system administrator has root authority for the operating system.

SAF_ERR_ENDSP_SYSTEM_CALL (-17905)

Description	This error occurs when the endpwnb() system call fails.
--------------------	---

Action	Check whether the system administrator has root authority for the operating system.
---------------	---

2.18. TACF (-18000)

The TACF module is responsible for user authentication and resource access control. This section lists the error codes that can occur in the TACF module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

TACF_ERR_MEMORY_ALLOC (-18003)

Description	This error occurs when system memory allocation fails.
Action	Check whether there is sufficient memory space in the system.

TACF_ERR_INTERNAL (-18004)

Description	This error occurs when a call is made to the Tmax API.
Action	Check whether the Tmax configuration is correct.

TACF_ERR_INVALID_REQUEST (-18005)

Description	This error occurs when an invalid parameter is used to call a function.
Action	Contact TmaxSoft technical support.

TACF_ERR_NOT_IMPLEMENTED (-18006)

Description	This error occurs when OS authentication is configured and the TACF Manager is used to add/change/delete/inquiry a group or user.
Action	Use the functions provided from the OS authentication instead of TACF Manager.

TACF_ERR_NOT_INITIALIZED (-18007)

Description	This error occurs when TACF is used without being initialized.
--------------------	--

Action	<p>Check whether TACF initialization has been performed successfully by doing the following:</p> <ul style="list-style-type: none"> – Check whether the permissions for the directory specified in the DATA_DIR item of the [DIRECTORY] section of the ofsys.conf configuration file is properly assigned. – Check whether the directory specified in the LOG_DIRECTORY item of the [TACF_DEFAULT] section in the tacf.conf configuration file is valid.
---------------	--

TACF_ERR_STORAGE_CONFIGURATION (-18008)

Description	<p>This error occurs when the condition of the items specified in the [TACF_STORAGE] section of the tacf.conf file are as follows:</p> <ul style="list-style-type: none"> – USERNAME has not been specified or the string length exceeds 31 bytes. – PASSWORD or ENPASSWD has not been specified. – DATABASE has not been specified.
Action	<p>Check whether you can access the database.</p>

TACF_ERR_BUFFER_OVERFLOW (-18009)

Description	<p>This error occurs when the available space in the buffer is exceeded.</p>
Action	<p>Check the number of user, group, dataset, resource, permit, and connect profiles and delete unnecessary profiles.</p>

TACF_ERR_MAX_COUNT_LIMIT (-18010)

Description	<p>This error occurs when the maximum possible buffer size is exceeded.</p>
Action	<p>Check the number of User, Group, Dataset, Resource, Permit, and Connect profiles then delete unnecessary profiles.</p>

TACF_ERR_INVALID_GENERIC_TYPE (-18011)

Description	This error occurs when an invalid character is used for the name of a dataset or resource profile.
Action	Check the name of the dataset or resource profile.
Reference	Refer to "Creating Generic Dataset Profiles" in "4.1 Datasets" in the "OpenFrame TACF Administrator's Guide".

TACF_ERR_DISCONNECTED(-18012)

Description	This error occurs when the connection to a database has been lost.
Action	Check whether there is a problem with the database connection.
Reference	<p>If the following codes are returned from the DBMS while you are using Oracle or Tibero, it is considered "disconnected from DBMS".</p> <ul style="list-style-type: none">• [Oracle]<ul style="list-style-type: none">– ORA-01012 not logged on– ORA-01034 Oracle not available– ORA-01089 immediate shutdown in progress– no operations are permitted– ORA-01092 Oracle instance terminated. Disconnection forced– ORA-03113 end-of-file on communication channel– ORA-03114 not connected to Oracle– ORA-12541 TNS:no listener– ORA-12547 TNS:lost contact– ORA-12571 TNS:packet writer failure• [Tibero]<ul style="list-style-type: none">– 23014 connection does not exist– 23063 I/O read error– 23064 I/O write error– 23078 duplicated request– 24004 I/O read error

	<ul style="list-style-type: none"> – 24005 I/O write error – 24008 fail to colse fd – 24010 client unable to establish connection <p>Other error codes are described in the SQLCODE_DISCONNECTION item of the [TACF_DEFAULT] section in the tacf.conf configuration file.</p>
--	--

TACF_ERR_DUPLICATE_GROUP (-18101)

Description	This error occurs when trying to add a group that already exists.
Action	Revise the name of the group to be added and then register again.

TACF_ERR_GROUP_NOT_FOUND (-18102)

Description	This error occurs when the GROUP profile for a group cannot be found.
Action	Check whether the profile of the group exists, and if it does not exist, request that the security administrator create the group profile.

TACF_ERR_DUPLICATE_USER (-18103)

Description	This error occurs when trying to add a user that already exists.
Action	Change the user ID that you want to add and then register again.

TACF_ERR_USER_NOT_FOUND (-18104)

Description	This error occurs when the USER profile for a user cannot be found.
Action	Check whether the profile of the group user exists, and if it does not exist, request that the security administrator create the user profile.

TACF_ERR_USER_REVOKED (-18105)

Description	This error occurs when a user in REVOKE status tries to log in to the system.
--------------------	---

Action	Contact the security administrator.
---------------	-------------------------------------

TACF_ERR_CLASS_NOT_FOUND (-18109)

Description	This error occurs when the CLASS profile for a class cannot be found.
Action	Check whether the profile of the class exists, and if it does not exist, request that the security administrator create the class profile.

TACF_ERR_DUPLICATE_PROFILE (-18110)

Description	This error occurs when trying to add a dataset or general resource that already exists.
Action	Change the name of the dataset or general resource and then register again.

TACF_ERR_PROFILE_NOT_FOUND (-18111)

Description	This error occurs when the profile for a dataset or general resource cannot be found.
Action	Check whether the profile of the group exists, and if it does not exist, request that the security administrator create the general resource profile.

TACF_ERR_DUPLICATE_MEMBER (-18113)

Description	This error occurs when trying to add a member which already exists in a group resource.
Action	Delete the duplicate member then try again.

TACF_ERR_DUPLICATE_ACCESS_LIST (-18114)

Description	This error occurs when trying to add an access authority list that already exists.
Action	Check whether the authority list to be added is correct.

TACF_ERR_VERIFICATION_FAILURE (-18201)

Description	This error occurs when authenticating a user fails.
Action	Check whether the user ID and password is correct.

TACF_ERR_NOT_AUTHORIZED (-18202)

Description	This error occurs when there are insufficient access rights for the dataset or general resource.
Action	Request that the security administrator give permission to access the dataset or general resource.

TACF_ERR_GROUP_NOT_CONNECTED (-18203)

Description	This error occurs when trying to connect a user to a specific group which does not exist.
Action	Check whether the GROUP profile for the group exists.

TACF_ERR_OWNER_NOT_FOUND (-18204)

Description	This error occurs when a user or group to be specified as OWNER cannot be found.
Action	Check whether the profile of the user or group exists.

TACF_ERR_NOTIFY_NOT_FOUND (-18205)

Description	This error occurs when a user or group to be specified as NOTIFY cannot be found.
Action	Check whether the profile of the user or group exists.

TACF_ERR_SUPGROUP_NOT_FOUND (-18208)

Description	This error occurs when a GROUP profile to be specified as a superior group cannot be found.
--------------------	---

Action	Check whether the group specified as a superior group exists.
---------------	---

TACF_ERR_SUPGROUP_AND_OWNER (-18209)

Description	This error occurs when the OWNER group name is different from the superior group's name.
Action	Specify the same name for the OWNER group and the superior group.

TACF_ERR_DFTGROUP_NOT_FOUND (-18210)

Description	This error occurs when the default group profile cannot be found.
Action	Check the name of the default group.

TACF_ERR_NER_PASSWD_REQUIRED (-18211)

Description	This error occurs when the current password has expired.
Action	Change the password.
Reference	Refer to "Password change cycle" in the "OpenFrame TACF Administrator's Guide".

TACF_ERR_LOGIN_NOT_ALLOWED (-18212)

Description	This error occurs when attempting access during a restricted use period.
Action	Check the USER profile to determine when the user is allowed to access the system (the day of the week or time zone).
Reference	Refer to WDAY or WTIME of "2.3 USER profile in the "OpenFrame TACF Administrator's Guide".

TACF_ERR_PASSWORD_INCORRECT (-18213)

Description	This error occurs when the current password specified with the PASSWORD command is incorrect.
Action	Check the current password.

TACF_ERR_SUSPENDED_USER (-18214)

Description	This error occurs when a locked user account tries to access the system.
Action	Wait until the user is unlocked after a specified period of time and then try again.
Reference	Refer to "Account lock status" in the "OpenFrame TACF Administrator's Guide".

TACF_ERR_NOT_PROTECTED (-18301)

Description	This error occurs when trying to get access permissions for a dataset or general resource not protected in TACF.
Action	Register the resource in TACF to allow TACF to control the access permissions for the resource.

TACF_ERR_CONNECT_FAILURE (-18901)

Description	This error occurs when attempting to access the database fails.
Action	Check if there is a problem with the database connection.

TACF_ERR_EXECUTE_STATEMENT (-18902)

Description	This error occurs while executing a SQL query statement.
Action	Contact the system administrator.

TACF_ERR_DECLARE_CURSOR (-18903)

Description	This error occurs while trying to declare the cursor.
Action	Contact the system administrator.

TACF_ERR_FETCH_CURSOR (-18904)

Description	This error occurs when trying to perform a Fetch SQL request.
Action	Contact the system administrator.

TACF_ERR_DUPLICATE_RECORD (-18905)

Description	This error occurs when trying to add a record to database and a record already exists with an identical key value.
Action	Check whether the profile of the record to be added, already exists.

TACF_ERR_RECORD_NOT_FOUND (-18906)

Description	This error occurs when a record in the database cannot be found.
Action	Contact the system administrator.

2.19. HiDB (-20000)

HiDB is a hierarchical database that corresponds to IBM's IMS/DB and Hitachi's ADM/DB. This section lists the error codes that can occur in the HiDB module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

HIDB_ERR_DUPLICATE_RECORD (-20001)

Description	This error occurs when there is a HiDB library internal error. (Duplicate Record)
Action	Contact TmaxSoft technical support.

HIDB_ERR_DUPLICATE_KEY (-20002)

Description	This error occurs when there is a HiDB library internal error. (Duplicate Key)
Action	Contact TmaxSoft technical support.

HIDB_ERR_NOT_FOUND (-20003)

Description	This error occurs when there is a HiDB library internal error. (Not Found)
Action	Contact TmaxSoft technical support.

HIDB_ERR_END_OF_FILE (-20004)

Description	This error occurs when there is a HiDB library internal error. (End of File)
Action	Contact TmaxSoft technical support.

HIDB_ERR_LENGTH_ERROR (-20005)

Description	This error occurs when there is a HiDB library internal error. (Length Error)
Action	Contact TmaxSoft technical support.

HIDB_ERR_INVALID_REQUEST (-20006)

Description	This error occurs when there is an HiDB library usage error. (Invalid Request)
Action	Contact TmaxSoft technical support.

HIDB_ERR_MEMORY_ALLOC (-20007)

Description	This error occurs when system memory allocation has failed.
Action	Contact the system administrator.

HIDB_ERR_INTERNAL (-20008)

Description	This error occurs when there is a HiDB library internal error.
Action	Contact TmaxSoft technical support.

HIDB_ERR_NOT_IMPLEMENTED (-20009)

Description	This error occurs when there is a HiDB library internal error. (Not Implemented)
Action	Contact TmaxSoft technical support.

HIDB_ERR_TSAM_DEADLOCK (-20010)

Description	This error occurs when deadlock occurs in TSAM when running DL/I.
--------------------	---

Action	Retry when deadlock is disabled.
---------------	----------------------------------

HIDB_ERR_INVALID_PCB_TYPE (-20101)

Description	This error occurs when an unsupported PCB type is used.
Action	Check whether the PCB type is supported by the system.

HIDB_ERR_INVALID_DLI_ACCESS (-20102)

Description	This error occurs when an unsupported DL/I access method is used.
Action	Check whether the DL/I access method is supported by the system.

HIDB_ERR_INVALID_SYS_ACCESS (-20103)

Description	This error occurs when an unsupported system access method is used.
Action	Check whether the system access method is supported by the system.

HIDB_ERR_INVALID_LCHLD_PTRS (-20104)

Description	This error occurs when the POINTER definition of a logical child is invalid.
Action	Check whether the logical relationships between DBDs are defined correctly.
Reference	Refer to the DBDGEN section in the "Tibero HiDB Utility Reference Guide."

HIDB_ERR_INVALID_LPARNT_DBD (-20105)

Description	This error occurs when the DBD name definition of a logical parent is invalid.
Action	Check whether the logical relationships between DBDs are defined correctly.
Reference	Refer to the DBDGEN section in the "Tibero HiDB Utility Reference Guide."

HIDB_ERR_INVALID_LCHILD_DBD (-20106)

Description	This error occurs when the DBD name definition of a logical child is invalid.
--------------------	---

Action	Check whether the logical relationships between DBDs are defined correctly.
Reference	Refer to the DBDGEN section in the "Tibero HiDB Utility Reference Guide."

HIDB_ERR_INVALID_SOURCE_DBD (-20107)

Description	This error occurs during the definition of a logical DBD if the source DBD definition is invalid.
Action	Check whether the logical relationships between DBDs are defined correctly.
Reference	Refer to the DBDGEN section in the "Tibero HiDB Utility Reference Guide."

HIDB_ERR_LPARENT_SEMANTICS (-20108)

Description	This error occurs when the semantic definition of a logical parent is invalid.
Action	Check whether the logical relationships between DBDs are defined correctly.
Reference	Refer to the DBDGEN section in the "Tibero HiDB Utility Reference Guide."

HIDB_ERR_LPAIRED_SEMANTICS (-20109)

Description	This error occurs when the semantic definition of a logical sibling is invalid.
Action	Check whether the logical relationships between DBDs are defined correctly.
Reference	Refer to the DBDGEN section in the "Tibero HiDB Utility Reference Guide."

HIDB_ERR_INVALID_SEGMENT_NAME (-20201)

Description	This error occurs when an invalid segment name is specified for a database.
Action	Check that the segment name that appears in the manipulation statement is correct.

HIDB_ERR_INVALID_SEG_SEQUENCE (-20202)

Description	This error occurs when an invalid segment order is specified for a database.
Action	Check that the segment order in the manipulation statement is correct.

HIDB_ERR_INVALID_INDEX_NAME (-20203)

Description	This error occurs when an invalid index name is specified for a database.
Action	Check whether the index name that appears in the manipulation statement is correct.

HIDB_ERR_INVALID_FIELD_NAME (-20204)

Description	This error occurs when an invalid field name is specified for a database.
Action	Check that the field name that appears in the manipulation statement is correct.

HIDB_ERR_INVALID_DBD_NAME (-20205)

Description	This error occurs when an invalid DBD name is specified for a database.
Action	Check that the DBD name that appears in the manipulation statement is correct.

HIDB_ERR_INVALID_PCB_NAME (-20206)

Description	This error occurs when an invalid PCB name is specified for a database.
Action	Check that the PCB name that appears in the manipulation statement is correct.

HIDB_ERR_TSAM_CONFIGURATION (-20302)

Description	This error occurs when the TSAM server connection information in the ds.conf configuration file is invalid.
Action	Correct the TSAM server connection information in the ds.conf configuration file.
Reference	Refer to "Appendix.A Configuration File" in the "OpenFrame Dataset Guide."

HIDB_ERR_BUFFER_CONFIGURATION (-20303)

Description	This error occurs when the multi-buffer configuration information in the hidb.conf configuration file is invalid.
Action	Correct the multi-buffer configuration information in the hidb.conf configuration file.

Reference	Refer to the "Tibero HiDB Guide."
------------------	-----------------------------------

HIDB_ERR_NOT_CONNECTED (-20601)

Description	This error occurs when there is a HiDB library usage error (Not Connected).
Action	Contact TmaxSoft technical support.

HIDB_ERR_NO_PRIMARY_INDEX (-20604)

Description	This error occurs when there is a HiDB library usage error (No Primary Index).
Action	Contact TmaxSoft technical support.

HIDB_ERR_DDNAME_NOT_FOUND (-20605)

Description	This error occurs when there is a HiDB library internal error (DDNAME Not Found).
Action	Contact TmaxSoft technical support.

HIDB_ERR_NO_SSA_QUALIFICATION (-20606)

Description	This error occurs when there is a HiDB library internal error (No SSA Qualification).
Action	Contact TmaxSoft technical support.

HIDB_ERR_INSERT_SSA_MISSING (-20607)

Description	This error occurs when there is a HiDB library internal error (Insert SSA Missing).
Action	Contact TmaxSoft technical support.

HIDB_ERR_INDEX_KEY_LENGTH (-20608)

Description	This error occurs when there is a HiDB library internal error (Index Key Length).
Action	Contact TmaxSoft technical support.

HIDB_ERR_SEQ_FIELD_LENGTH (-20609)

Description	This error occurs when there is a HiDB library internal error (Seq Field Length).
Action	Contact TmaxSoft technical support.

HIDB_ERR_SSA_NOT_MATCHED (-20610)

Description	This error occurs when there is a HiDB library internal error (SSA Not Matched).
Action	Contact TmaxSoft technical support.

HIDB_ERR_MAX_DATASET_COUNT (-20611)

Description	This error occurs when there is a HiDB library internal error (Max Dataset Count).
Action	Contact TmaxSoft technical support.

HIDB_ERR_INVALID_DATASET_TYPE (-20612)

Description	This error occurs when there is a HiDB library internal error (Invalid Dataset Type).
Action	Contact TmaxSoft technical support.

HIDB_ERR_DATASET_NOT_INITIALIZED (-20613)

Description	This error occurs when there is a HiDB library internal error (Dataset Not Initialized).
Action	Contact TmaxSoft technical support.

HIDB_ERR_INVALID_DATASET_PARAM (-20614)

Description	This error occurs when the length of the dataset to be used in HiDB is not identical to that of the dataset described in DBD, or its specification is not identical to that of CFSIZE.
Action	Check the record length of the dataset, or CFSIZE.

HIDB_ERR_INVALID_PCB_KEY_LENGTH (-20615)

Description	This error occurs when the value of KEYLEN described in PCB is smaller than the maximum length of cascading keys.
Action	Check KEYLEN of PCB.

HIDB_ERR_INVALID_SEGMENT_LENGTH (-20616)

Description	This error occurs when the segment length specified in DBD is configured larger than the database data set record length.
Action	Configure the value described in the BYTES item of the SEGMENT statement of DBD to be the same or smaller than the database data set record length. At this time, the length of the segment prefix area should be added according to the database access method.

HIDB_ERR_ALREADY_PREPARED_PSB (-20617)

Description	This error occurs when attempting to allocate the same PSB in a single program to memory multiple times.
Action	Modify the program so that memory allocation of a specific PSB in a single program can be done only once.

HIDB_ERR_NOT_PREPARED_PSB (-20618)

Description	This error occurs when de-allocating the PSB that isn't allocated to memory.
Action	Modify the program by checking if the PSB has previously been allocated to memory.

HIDB_ERR_BUFFER_ALLOC_ALREADY (-20701)

Description	This error occurs when there is a HiDB library internal error (Buffer Alloc Already).
Action	Contact TmaxSoft technical support.

HIDB_ERR_BUFFER_NOT_ALLOCATED (-20702)

Description	This error occurs when there is a HiDB library internal error (Buffer not Allocated).
Action	Contact TmaxSoft technical support.

HIDB_ERR_BUFFER_NOT_FOUND (-20703)

Description	This error occurs when there is a HiDB library internal error (Buffer not Found).
Action	Contact TmaxSoft technical support.

HIDB_ERR_BUFFER_DCB_TYPE (-20704)

Description	This error occurs when there is a HiDB library internal error (Buffer DCB Type).
Action	Contact TmaxSoft technical support.

HIDB_ERR_BUFFER_VSAMTYPE (-20705)

Description	This error occurs when there is a HiDB library internal error (Buffer VSAM Type).
Action	Contact TmaxSoft technical support.

HIDB_ERR_BUFFER_DEAD_LOCK (-20706)

Description	This error occurs when there is a HiDB library internal error (Buffer Dead Lock).
Action	Contact TmaxSoft technical support.

HIDB_ERR_BUFFER_REMAIN_LOCK (-20707)

Description	This error occurs when there is a HiDB library internal error (Buffer Remain Lock).
Action	Contact TmaxSoft technical support.

HIDB_ERR_BUFFER_MISSING_LOCK (-20708)

Description	This error occurs when there is a HiDB library internal error (Buffer Missing Lock).
--------------------	--

Action	Contact TmaxSoft technical support.
---------------	-------------------------------------

HIDB_ERR_BUFFER_DIRTY_UNLOCK (-20709)

Description	This error occurs when there is a HiDB library internal error (Buffer Dirty Unlock).
Action	Contact TmaxSoft technical support.

HIDB_ERR_BUFFER_DUP_RECORD (-20710)

Description	This error occurs when there is a HiDB library internal error (Buffer Dup Record).
Action	Contact TmaxSoft technical support.

HIDB_ERR_BUFFER_DIRTY_LOCKED (-20711)

Description	This error occurs when there is a HiDB library internal error (Buffer Dirty Locked).
Action	Contact TmaxSoft technical support.

HIDB_ERR_BUFFER_MAX_SUBPOOL_COUNT (-20712)

Description	This error occurs when the maximum number of VSAM subpools that can be defined (16) is exceeded.
Action	Up to 16 VSAM subpools can be defined. Therefore, modify JCL's DFSVSM DD statement or the [MULTI_BUFFERS] section of hidb.conf.

HIDB_ERR_DLI_CODE_BASE (-20900)

Description	This error occurs when there is a HiDB library internal error. (DLI Code Base)
Action	Contact the TmaxSoft technical support team.

HIDB_ERR_SSA_HIERARCHY (-20901)

Description	This error occurs when the parameter given as an SSA does not match the hierarchy.
--------------------	--

Action	Provide the SSA parameter according to the hierarchy defined in PSB.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_FUNCTION_CODE (-20902)

Description	This error occurs when the function code given to the DLI interface is invalid.
Action	Use only the function codes defined in the DLI interface.
Reference	The function codes supported by HiDB are GU, GN, GNP, ISRT, REPL, and DLET.

HIDB_ERR_REQUIRE_ONE_SSA (-20903)

Description	In order to execute the given request, one or more SSAs are required.
Action	When calling a function, specify only the required SSAs.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_OPEN_DATASET (-20904)

Description	This error occurs while opening a dataset.
Action	Check whether the dataset exists.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_AN_INVALID_SSA (-20905)

Description	This error occurs when the string given as an SSA is invalid.
Action	Provide a grammatically correct SSA string.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_SSA_FIELD_NAME (-20906)

Description	This error occurs when the field name specified in an SSA is invalid.
Action	Verify that the field name is correct by checking the DBD of the database in use.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_NOT_ALLOWED (-20907)

Description	This error occurs when trying to execute a request which is not allowed in the database.
Action	Modify the application so that it only executes requests that are allowed in the database.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_SEQ_FLD_CHANGED (-20908)

Description	This error occurs when trying to modify the sequential field content when modifying a segment.
Action	Modify the application so that it does not modify sequential field content.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_SEGMENT_NOT_HELD (-20909)

Description	This error occurs when trying to modify or delete specific segments which must be located with the HOLD option before the operation.
Action	Search for the segment with the HOLD option before modification or deletion.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_VIOLATE_DLET_RULE (-20910)

Description	This error occurs when violating the segment deletion rules.
Action	Modify the application so that it does not violate the segment deletion rules.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_END_OF_DATABASE (-20911)

Description	This error occurs when the end of the database has been reached while sequentially searching segments.
Action	Allow the program logic that has been defined for this case (reaching the end of the database) to be executed.

Reference	Refer to the "Tibero HiDB Guide."
------------------	-----------------------------------

HIDB_ERR_SEGMENT_NOT_FOUND (-20912)

Description	This error occurs when no segment matches the given SSA conditions.
Action	Allow the program logic that has been defined for this case (inability to find the segment) to be executed.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_OUT_OF_PARENTAGE (-20913)

Description	This error occurs when the parent age is exceeded in sequential search.
Action	Modify the program to end the sequential search.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_NO_PARENTAGE_EST (-20914)

Description	This error occurs when a request that uses parent age is executed but parent age has not yet been set.
Action	Execute a request to set the parent age before executing the request that uses parent age.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_DUPLICATE_SEGMENT (-20915)

Description	This error occurs when adding a segment with the same key as an existing segment.
Action	Allow the program logic that has been defined for this case (a duplicate segment exists) to be executed.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_VIOLATE_ISRT_RULE (-20916)

Description	This error occurs when violating the segment insert rules while adding a segment.
--------------------	---

Action	Modify the program so that it does not violate the segment rules.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_LOAD_DUPLICATE (-20917)

Description	This error occurs when loading a database that has a segment that has the same key as an existing segment.
Action	Check the data and delete the segment with the duplicate key.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_LOAD_HIERARCHY (-20918)

Description	This error occurs when segments are not arranged in hierarchical order when loading a database.
Action	Make a database backup by extracting the data in hierarchical order.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_DUP_INDEX_SEGMENT (-20919)

Description	This error occurs when trying to add a duplicate segment to a segment with an index that does not allow duplication.
Action	Modify the application logic so that the duplicate segment is not added.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_NO_QUAL_SSA_FOR_ISRT (-20920)

Description	This error occurs when the SSA parameter is not included in an ISRT call.
Action	If ISRT is called by an application, check whether SSA is described, and modify the logic.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_INVALID_PARM_COUNT (-20921)

Description	This error occurs when the number of parameters that was described when calling a DL/I function is invalid. For instance, when an application calls CHKP with more than 3 parameters.
Action	If DL/I is called by an application, check the described number of parameters, and modify the logic.
Reference	Refer to the "Tibero HiDB Guide."

HIDB_ERR_INVALID_SEGMENT_POINTER (-20922)

Description	An invalid segment pointer is specified. This error occurs when the segment pointer stored in the segment prefix area points to the wrong segment address. This is applicable to the DL/I status code, "GG".
Action	Check if the data of the database is loaded normally. When the data is loaded through the COBOL application, then when the program is terminated, use the go back command instead of the stop run command. This is because the stop run command did not commit the loaded data as the process is terminated right away without recovering the data using the post processing routine.
Reference	Refer to Tibero HiDB Guide.

HIDB_ERR_VARIABLE_SEGMENT_LENGTH (-20923)

Description	The length of the invalid variable-length segment is specified. This error occurs when the value that exceeds the range of the minimum and maximum length of the segment specified in the segment statement of the BDB is specified in the case of inserting or updating segment data. This is applicable to the DL/I status code, V1.
Action	When inserting or updating segment data in application programs, check if the value that exceeds the range of the minimum and maximum length of the segment specified in the segment statement of the DBD is specified, and then modify.
Reference	Refer to Tibero HiDB Guide.

HIDB_ERR_DLI_CODE_LAST (-20999)

Description	This error occurs when there is a HiDB library internal error. (DLI Code Last)
--------------------	--

Action	Contact TmaxSoft technical support.
---------------	-------------------------------------

2.20. OFCOM (-22000)

The OFCOM module is an OpenFrame common library module. This section lists the error codes that can occur in the OFCOM module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

OFCOM_ERR_INVALID_REQUEST (-22001)

Description	This error occurs when an invalid parameter is transmitted.
Action	Check whether the parameter is correct for the job and then correct it.

OFCOM_ERR_MEMORY_ALLOC (-22002)

Description	This error occurs when memory allocation fails.
Action	Contact the system administrator.

OFCOM_ERR_BUFFER_OVERFLOW (-22003)

Description	This error occurs when the provided buffer is too small for the data.
Action	Allocate sufficient buffer space for the data.

OFCOM_ERR_VALUE_NOT_FOUND (-22004)

Description	This error occurs when a specified value in the configuration file cannot be found.
Action	Check whether the specified value exists in the configuration file.

OFCOM_ERR_PATHNAME_LENGTH (-22005)

Description	This error occurs when a path name length exceeds the specified length.
Action	Check whether the path name length exceeds the specified length.

OFCOM_ERR_FILE_NOT_FOUND (-22006)

Description	This error occurs when a specified file name cannot be found.
Action	Check whether the file name is correct.

OFCOM_ERR_NOT_IMPLEMENTED (-22009)

Description	This error occurs when there is an OFCOM library internal system error. (Not Implemented)
Action	Contact the TmaxSoft technical support team.

OFCOM_ERR_INTERNAL_ERROR (-22010)

Description	This error occurs when there is an OFCOM library internal system error. (Internal Error)
Action	Contact the TmaxSoft technical support team.

OFCOM_ERR_SHM_INIT (-22101)

Description	This error occurs when shared memory initialization fails.
Action	Contact the TmaxSoft technical support team.
Reference	Refer to the displayed system error message.

OFCOM_ERR_SHM_OPEN (-22102)

Description	This error occurs when shared memory access fails.
Action	Contact the TmaxSoft technical support team.
Reference	Refer to the displayed system error message.

OFCOM_ERR_SHM_CLOSE (-22103)

Description	This error occurs when closing shared memory fails.
Action	Contact the TmaxSoft technical support team.

Reference	Refer to the displayed system error message.
------------------	--

OFCOM_ERR_SHM_ATTACH (-22104)

Description	This error occurs when attaching shared memory fails.
Action	Contact the TmaxSoft technical support team.
Reference	Refer to the displayed system error message.

OFCOM_ERR_SHM_DETACH (-22105)

Description	This error occurs when detaching shared memory fails.
Action	Contact the TmaxSoft technical support team.
Reference	Refer to the displayed system error message.

OFCOM_ERR_SHM_STAT (-22106)

Description	This error occurs when obtaining shared memory fails.
Action	Contact the TmaxSoft technical support team.
Reference	Refer to the displayed system error message.

OFCOM_ERR_SHM_EXIST (-22107)

Description	This error occurs when the shared memory to be generated already exists.
Action	Check whether the shared memory to be generated already exists and then delete it.
Reference	Refer to ipcs and ipcrm in UNIX Manual Page.

OFCOM_ERR_ENV_OPENFRAME_HOME (-22201)

Description	This error occurs when the OPENFRAME_HOME environment variable cannot be found.
Action	Define the OPENFRAME_HOME environment variable and then execute Export.

OFCOM_ERR_OPEN_CONF_FILE (-22202)

Description	This error occurs when opening a configuration file fails.
Action	Check whether the name of the configuration file is correct and then create new configuration file.

OFCOM_ERR_MAX_CONF_FILE (-22204)

Description	This error occurs when the number of configuration files exceeds the maximum number of allowable configuration files.
Action	Contact the TmaxSoft technical support team.
Reference	The number of allowable configuration files: 256

OFCOM_ERR_WRONG_CONFIGURATION (-22205)

Description	This error occurs when the configuration file contains incorrect syntax
Action	Revise the configuration file and correct the syntax.

OFCOM_ERR_UNLINK_FAILURE (-22301)

Description	This error occurs when deleting an external RC file fails.
Action	Check whether there are sufficient permissions for the directory or file.

OFCOM_ERR_OPEN_EXTRC_FILE (-22302)

Description	This error occurs when opening an external RC file fails.
Action	Check whether there are sufficient permissions for the directory or file.

OFCOM_ERR_LOCK_FAILURE (-22401)

Description	This error occurs when opening and locking a file fails.
Action	Check whether there are sufficient permissions for the directory or file.

OFCOM_ERR_UNLOCK_FAILURE (-22402)

Description	This error occurs when unlocking or closing a file fails.
Action	Check whether there are sufficient permissions for the directory or file.

OFCOM_ERR_STATVFS_CALL (-22503)

Description	This error occurs when the statvfs() function call fails.
Action	Contact the TmaxSoft technical support team.
Reference	Refer to the displayed system error messages.

OFCOM_ERR_FOPEN_CALL (-22504)

Description	This error occurs when opening the error code file fails.
Action	Contact the system administrator.
Reference	Refer to the displayed system error messages.

OFCOM_ERR_OPENDIR_CALL (-22505)

Description	This error occurs when the opendir() function call fails.
Action	Contact the system administrator.
Reference	Refer to the displayed system error messages.

OFCOM_ERR_INVALID_PARAMETER (-22601)

Description	This error occurs when an invalid input parameter is entered when analyzing parameters.
Action	Check whether there is a problem with the input parameter.

OFCOM_ERR_PAREN_MISMATCHED (-22602)

Description	This error occurs due to mismatched parentheses when analyzing parameters.
--------------------	--

Action	Check whether the correct number of parentheses is present for the input parameter.
---------------	---

OFCOM_ERR_INVALID_POS (-22611)

Description	This error occurs during the analysis of a parameter tree if an invalid value was specified for a sub-parameter position. The position value should be specified as a number type string, where number starts from 1.
Action	Contact the TmaxSoft technical support team.

OFCOM_ERR_QUERY_LEVEL (-22612)

Description	This error occurs during the analysis of a parameter tree if a path step is specified to obtain a sub-parameter in a specific path and the path exceeds 16 steps.
Action	Contact the TmaxSoft technical support team.

OFCOM_ERR_EXALT_FOUND (-22613)

Description	This error occurs during the analysis of a parameter tree if exclusive parameters are improperly specified at the same time.
Action	Analyze the input parameter syntax and correct it.

OFCOM_ERR_SUB_NOT_ALLOWED (-22614)

Description	This error occurs during the analysis of a parameter tree if a sub-parameter is specified for a parameter which cannot have a sub-parameter.
Action	Analyze the input parameter syntax and correct it.

OFCOM_ERR_SUB_ONE_ALLOWED (-22615)

Description	This error occurs during the analysis of a parameter tree if multiple sub-parameters are specified for a parameter which can have only one sub-parameter.
Action	Analyze the input parameter syntax and correct it.

OFCOM_ERR_SUB_ONE_REQUIRED (-22616)

Description	This error occurs during analysis of a parameter tree if no sub-parameter is specified for a parameter which must have one sub-parameter.
Action	Analyze the input parameter syntax and correct it.

OFCOM_ERR_SUB_REQUIRED (-22617)

Description	This error occurs during analysis of a parameter tree if no sub-parameter is specified for a parameter which must have at least one sub-parameter.
Action	Analyze the input parameter syntax and correct it.

OFCOM_ERR_DUPLICATE_ERRNO (-22701)

Description	This error occurs when a duplicate error code already exists.
Action	Contact the TmaxSoft technical support team.

OFCOM_ERR_INVALID_FORMAT (-22702)

Description	This error occurs due to an invalid error format.
Action	Contact the TmaxSoft technical support team.

OFCOM_ERR_LOG_FILE_OPEN (-22801)

Description	This error occurs while opening a log file to write logs.
Action	Contact the TmaxSoft technical support team. (Refer to the displayed error messages.)

OFCOM_ERR_LOG_FILE_CLOSE (-22802)

Description	This error occurs while closing a log file, after writing logs.
Action	Contact the TmaxSoft technical support team. (Refer to the displayed error messages.)

OFCOM_ERR_LOG_FILE_WRLCK (-22803)

Description	This error occurs while locking a log file to write logs.
Action	Contact the TmaxSoft technical support team. (Refer to the displayed error messages.)

OFCOM_ERR_LOG_FILE_UNLCK (-22804)

Description	This error occurs while unlocking a log file after writing logs.
Action	Contact the TmaxSoft technical support team. (Refer to the displayed error messages.)

OFCOM_ERR_LOG_FILE_LSEEK (-22805)

Description	This error occurs while searching for a location to write a record in a log file.
Action	Contact the TmaxSoft technical support team. (Refer to the displayed error messages).

OFCOM_ERR_LOG_FILE_WRITE (-22806)

Description	This error occurs while writing a record in a log file with the Write function.
Action	Contact the TmaxSoft technical support team. (Refer to the displayed error messages).

OFCOM_ERR_MAX_PACKED_BYTES (-22811)

Description	This error occurs when the number of bytes transferred to the Packed Decimal conversion function exceeds the maximum value.
Action	Send fewer bytes to the Packed Decimal conversion function (Maximum of 10 bytes).

OFCOM_ERR_MAX_ZONED_BYTES (-22812)

Description	This error occurs when the number of bytes transferred to the Zoned Decimal conversion function exceeds the maximum value.
Action	Send fewer bytes to the Zoned Decimal conversion function (Maximum of 18 bytes).

OFCOM_ERR_MAX_BCD_DIGITS (-22813)

Description	This error occurs when the number of digits transferred to the Binary Coded Decimal conversion function exceeds the maximum value.
Action	Send fewer digits to the Binary Coded Decimal conversion function (Maximum of 18).

OFCOM_ERR_BCD_CONVERSION (-22814)

Description	This error occurs while executing the Binary Coded Decimal conversion function.
Action	Check the value in the BCD buffer that is transferred to the conversion function.

OFCOM_ERR_SYSTEM_OPEN (-22901)

Description	This error occurs when the open() function call fails.
Action	Contact the system administrator.
Reference	Refer to the displayed system error message.

OFCOM_ERR_SYSTEM_READ (-22902)

Description	This error occurs when the read() function call fails.
Action	Contact the system administrator.
Reference	Refer to the displayed system error message.

2.21. SAFX (-23000)

SAFX is a module which provides an interface between SAF, OpenFrame system security, and the authentication server. This section lists the error codes that can occur in the SAFX module,

descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

SAFX_ERR_INVALID_REQUEST (-23005)

Description	This error occurs when an invalid input parameter is used to call a function.
Action	Contact the TmaxSoft technical support team.

SAFX_ERR_NOT_INITIALIZED (-23007)

Description	This error occurs when the SAF function is used without TACF module being initialized.
Action	Check whether the TACF initialization is performed successfully by doing the following: -Check whether the permissions for the directory specified in the DATA_DIR item of the [DIRECTORY] section of the ofsys.conf file are properly assigned. -Check whether the directory specified in the LOG_DIRECTORY item of the [TACF_DEFAULT] section in tacf.conf file is valid.

SAFX_ERR_MAX_ACEE_COUNT (-23009)

Description	This error occurs when the number of users accessing the system exceeds the maximum number of concurrent users that can simultaneously access the system. (32,768)
Action	Reduce the number of concurrent users accessing the system, and then if the same error occurs, restart TACF server.

SAFX_ERR_INVALID_TOKEN (-23010)

Description	This error occurs when receiving an invalid token from a client.
Action	Contact the TmaxSoft technical support team.

2.22. SAFO (-24000)

SAFO is a module that provides an interface between SAF, OpenFrame system security and OpenFrame online products. This section lists the error codes that can occur in the SAFO module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

SAFO_ERR_MEMORY_ALLOC (-24003)

Description	This error occurs when there is a failure to allocate memory.
Action	Check if there is sufficient memory space available in the system.

SAFO_ERR_INVALID_REQUEST (-24005)

Description	This error occurs when an invalid input parameter is used to call a function.
Action	Contact the TmaxSoft technical support team.

SAFO_ERR_NOT_INITIALIZED (-24007)

Description	This error occurs when the SAF function is used without the TACF module being initialized.
Action	Check whether TACF initialization has been performed successfully by doing the following: - Check whether the permissions over the directory specified in the DATA_DIR item of the [DIRECTORY] section of the ofsys.conf file are properly assigned. - Check whether the directory specified in the LOG_DIRECTORY item of the [TACF_DEFAULT] section in the tacf.conf file is valid.

2.23. SAF BAT (-26000)

SAF BAT is a module that provides an interface between SAF, OpenFrame system security and batch products. This section lists the error codes that can occur in the SAF BAT module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

SAF_BATCH_ERR_INVALID_REQUEST (-26005)

Description	This error occurs when an invalid input parameter is used to call a function.
Action	Contact the TmaxSoft technical support team.

SAF_BATCH_ERR_V_NOT_PREPARED (-26101)

Description	This error occurs when initialization has not been processed.
Action	Contact the TmaxSoft technical support team.

SAF_BATCH_ERR_V_NOT_CREATED (-26102)

Description	This error occurs when TACF initialization has not been processed.
Action	Contact the TmaxSoft technical support team.

2.24. MEMM (-27000)

The MEMM module is responsible for dynamic memory allocation and its management. This section lists the error codes that can occur in the MEMM module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

SHM_OPEN (-27001)

Description	This error occurs when the shmget() or shmat() system call fails while opening the shared memory.
Action	Check whether the given shared memory key is valid.
Reference	The exception error code is important for diagnosing internal system errors. Thus, when an error occurs, contact the system administrator by referring to the details of the circumstances and error messages described in the log.

SHM_ATTACH (-27002)

Description	This error occurs when the shmat() system call fails.
Action	Check whether the shared memory created with the given key can be attached to the process.

Reference	The exception error code is important for diagnosing internal system errors. When this error occurs, contact the system administrator by referring to the details of the circumstances and error messages described in the log.
------------------	---

SHM_GET (-27003)

Description	This error occurs when the shmget() system call fails.
Action	Check whether the given shared memory key is valid.
Reference	The exception error code is important for diagnosing internal system errors. When this error occurs, contact the system administrator by referring to the details of the circumstance and error message described in the log.

SHM_CTL (-27004)

Description	This error occurs when the shmctl() system call fails.
Action	Check whether the given shared memory key is valid.
Reference	The exception error code is important for diagnosing internal system errors. When this error occurs, contact the system administrator by referring to the details of the circumstances and error messages described in the log.

SHM_ALREADY_INIT (-27005)

Description	This error occurs when the shared memory is already initialized.
Action	Check whether the same shared memory has been initialized previously.
Reference	The exception error code is important for diagnosing internal system errors. When this error occurs, contact the system administrator by referring to the details of the circumstances and error messages described in the log.

SHM_NOTFND (-27006)

Description	This error occurs when the ID corresponding to the shared memory is not found.
Action	Check whether the requested ID is valid.
Reference	The exception error code is important for diagnosing internal system errors. Thus, when this error occurs, contact the system administrator by referring to the details of the circumstances and error messages described in the log.

MEMORY_ALLOCATION (-27007)

Description	This error occurs when there is a system memory allocation failure.
Action	Check whether there is a problem with the memory allocation process.

2.25. TLIC (-28000)

The TLIC module is responsible for checking the OpenFrame license. This section lists the error codes that can occur in the TLIC module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

TLIC_ERR_MEMORY_ALLOC (-28003)

Description	This error occurs when memory allocation fails.
Action	Check whether there is sufficient memory space available in the system.

TLIC_ERR_INVALID_REQUEST (-28004)

Description	This error occurs when an invalid input parameter is used to call a function.
Action	Contact the TmaxSoft technical support team.

TLIC_ERR_INTERNAL_ERROR (-28005)

Description	This error occurs when the system() function call fails.
Action	Contact the system administrator.

TLIC_ERR_NOT_IMPLEMENTED (-28006)

Description	This error occurs when trying to retrieve the HostID in Microsoft Windows.
Action	Implement the program on a UNIX system.

TLIC_ERR_FILE_OPEN_FAILURE (-28010)

Description	This error occurs when opening the license fail fails.
--------------------	--

Action	When generating the license file, check whether there are sufficient permissions to write to the directory. To check the license file, check if the license file exists in <code>\$OPENFRAME_HOME/license</code> .
---------------	--

TLIC_ERR_FILE_WRITE_FAILURE (-28011)

Description	This error occurs when there are insufficient permissions to write to the directory that contains the license file.
Action	Grant permission to write to the directory.

TLIC_ERR_FILE_READ_FAILURE (-28012)

Description	This error occurs when the license file cannot be found.
Action	Check if the path correctly points to the license file.

TLIC_ERR_INVALID_MAGIC_NUMBER (-28020)

Description	This error occurs when an internal value used to generate the OpenFrame license file is invalid.
Action	Contact the license issuer.

TLIC_ERR_INVALID_CHECK_SUM (-28021)

Description	This error occurs when a license file is invalid.
Action	Get a reissued license.

TLIC_ERR_HOSTNAME_MISMATCH (-28023)

Description	This error occurs when OpenFrame is used by a host whose name is not among the hosts that are allowed access.
Action	Request that a license is reissued with the correct name of the host to use.

TLIC_ERR_HOSTID_MISMATCH (-28024)

Description	This error occurs when OpenFrame is used by a host whose ID is not among the hosts that are allowed access.
Action	Request that a license is reissued with the correct ID of the host to use.

TLIC_ERR_LNCPU_MISMATCH (-28025)

Description	This error occurs when the number of CPUs mismatches the maximum possible number of CPUs.
Action	Request that a license is reissued with the correct number of CPUs.

TLIC_ERR_LICENSE_EXPIRED (-28026)

Description	This error occurs when a demo license has expired.
Action	Request that a demo license is reissued.

TLIC_ERR_PRODUCT_MISMATCH (-28027)

Description	This error occurs when an issued license does not match the product.
Action	Check whether the issued license matches the product to be used.

2.26. TTREE (-29000)

TTREE is a TTREE type of memory management module. This section lists the error codes that can occur in the TTREE module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

ALLOC (-29001)

Description	This error occurs when system memory allocation fails.
Action	This error is most likely due to insufficient memory space; increase the size of the shared memory.

INVREQ (-29002)

Description	This error occurs when there is an invalid request.
Action	The exception error code is important for diagnosing internal system errors. If this error occurs, contact the system administrator with details of the error condition and error messages described in the log.

NOTFND (-29003)

Description	This error occurs when no item is found with a specified key.
Action	The exception error code is important for diagnosing internal system errors. If this error occurs, contact the system administrator with details of the error condition and error messages described in the log.

DUPLICATED (-29004)

Description	This error occurs when trying to add an item with a key that already exists.
Action	The exception error code is important for diagnosing internal system errors. If this error occurs, contact the system administrator with details of the error condition and error messages described in the log.

KEY_LENGERR (-29005)

Description	This error occurs when the length of a data buffer to be received is smaller than that of the key.
Action	The exception error code is important for diagnosing internal system errors. If this error occurs, contact the system administrator with details of the error condition and error messages described in the log.

DATA_LENGERR (-29006)

Description	This error occurs when the length of a data buffer to be received is smaller than the length of the data.
Action	The exception error code is important for diagnosing internal system errors. If this error occurs, contact the system administrator with details of the error condition and error messages described in the log.

DELETED (-29007)

Description	This error occurs when attempting to delete an item that has already been deleted.
Action	The exception error code is important for diagnosing internal system errors. If this error occurs, contact the system administrator with details of the error condition and error messages described in the log.

INVMEMMID (-29008)

Description	This error occurs when the ID of the MEMM module is invalid.
Action	The exception error code is important for diagnosing internal system errors. If this error occurs, contact the system administrator with details of the error condition and error messages described in the log.

ITEM_ENQBUSY (-29009)

Description	This error occurs when trying to access an item that has been locked.
Action	The exception error code is important for diagnosing internal system errors. If this error occurs, contact the system administrator with details of the error condition and error messages described in the log.

INTERNAL (-29011)

Description	This error occurs when there is an internal module error.
Action	The exception error code is important for diagnosing internal system errors. If this error occurs, contact the system administrator with details of the error condition and error messages described in the log.

2.27. IMS (-30000)

The IMS module manages a variety of control blocks that are necessary for using HiDB. This section lists the error codes that can occur in the IMS module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

IMS_ERR_INVALID_REQUEST (-30001)

Description	This error occurs when there is an IMS library usage error. (Invalid Request)
Action	Contact the TmaxSoft technical support team.

IMS_ERR_MEMORY_ALLOC (-30002)

Description	This error occurs when system memory allocation fails.
Action	Contact the system administrator.

IMS_ERR_INTERNAL (-30003)

Description	This error occurs when there is an IMS library internal error. (Internal)
Action	Contact the TmaxSoft technical support team.

IMS_ERR_NOT_IMPLEMENTED (-30004)

Description	This error occurs when there is an IMS library internal error (Not Implemented).
Action	Contact the TmaxSoft technical support team.

IMS_ERR_INVALID_PARAM_COUNT (-30005)

Description	This error occurs when there is an IMS library usage error (Invalid Param Count).
Action	Contact the TmaxSoft technical support team.

IMS_ERR_DUMMY_INTERFACE (-30006)

Description	This error occurs when there is an IMS library usage error (Dummy Interface).
Action	Contact the TmaxSoft technical support team.

IMS_ERR_BUFFER_OVERFLOW (-30007)

Description	This error occurs when there is an IMS library usage error (Buffer Overflow).
--------------------	---

Action	Contact the TmaxSoft technical support team.
---------------	--

IMS_ERR_CONFIGURATION (-30101)

Description	This error occurs when there is a problem in the ims.conf configuration file.
Action	Check the ims.conf configuration file and correct the problem.
Reference	Refer to the "Tibero HiDB Guide."

IMS_ERR_OPEN_DBD_FILE (-30102)

Description	This error occurs while opening a specified DBD script.
Action	Verify that the DBD script file is located in the file path specified.

IMS_ERR_PARSE_DBD_FILE (-30103)

Description	This error occurs while parsing a specified DBD script.
Action	Verify that the DBD script has no grammatical errors.
Reference	Refer to the DBDGEN in the "HiDB Utility Reference Guide."

IMS_ERR_OPEN_PSB_FILE (-30104)

Description	This error occurs while opening a specified PSB script.
Action	Verify that the PSB script file is located in the specified file path.

IMS_ERR_PARSE_PSB_FILE (-30105)

Description	This error occurs while parsing a specified PSB script.
Action	Verify that the PSB script has no grammatical errors.
Reference	Refer to the PSBGEN in the "HiDB Utility Reference Guide."

IMS_ERR_ACBLIB_ALLOCATE (-30106)

Description	This error occurs when there is an IMS library usage error (ACBLIB Allocate).
Action	Contact the TmaxSoft technical support team.

IMS_ERR_RESLIB_ALLOCATE (-30107)

Description	This error occurs when there is an IMS library usage error (RESLIB Allocate).
Action	Contact the TmaxSoft technical support team.

IMS_ERR_ACB_NOT_FOUND (-30108)

Description	This error occurs when ACB is not defined in the program to be executed.
Action	Define ACB for each PSB used in the IMS online program.

IMS_ERR_RES_NOT_FOUND (-30109)

Description	This error occurs when the resources to be used are not defined in the program to be executed.
Action	Define resources for each DDB used in the IMS online program.

IMS_ERR_RESLIB_FORMAT (-30110)

Description	This error occurs when there is a problem in the format of the resource definition file.
Action	Verify that the resource definition file format is correct.

IMS_ERR_READ_DBD_FILE (-30111)

Description	This error occurs while reading a DBD control block.
Action	Verify that the DBD control block exists in the specified DBDLIB library.
Reference	The basic DBDLIB library is specified in the ims.conf file.

IMS_ERR_WRITE_DBD_FILE (-30112)

Description	This error occurs while writing to a DBD control block.
Action	Check whether the user has write permission for the specified DBDLIB library.
Reference	The basic DBDLIB library is specified in the ims.conf file.

IMS_ERR_READ_PSB_FILE (-30113)

Description	This error occurs while reading a PSB control block.
Action	Verify that the PSB control block exists in the specified PSBLIB library.
Reference	The basic PSBLIB library is specified in the ims.conf file.

IMS_ERR_WRITE_PSB_FILE (-30114)

Description	This error occurs while writing to a PSB control block.
Action	Check whether the user has write permission for the specified PSBLIB library.
Reference	The basic PSBLIB library is specified in the ims.conf file.

IMS_ERR_DBD_OBJECT_VER (-30121)

Description	This error occurs when the DBD control block version does not match.
Action	Recreate the DBD control block using dbdgen.

IMS_ERR_PSB_OBJECT_VER (-30122)

Description	This error occurs when the PSB control block version does not match.
Action	Recreate the PSB control block using psbgen.

IMS_ERR_MDA_OBJECT_VER (-30123)

Description	This error occurs when the MDA control block version does not match.
Action	Recreate the MDA control block using imsdaloc or dabgen.

IMS_ERR_OPEN_MDA_FILE (-30131)

Description	This error occurs while opening a specified MDA script.
Action	Verify that the MDA control block exists in the specified path.

IMS_ERR_PARSE_MDA_FILE (-30132)

Description	This error occurs while parsing a specified MDA script.
Action	Verify that the script has no grammatical errors.
Reference	Refer to the IMSDALOC section in the "HiDB Utility Reference Guide."

IMS_ERR_READ_MDA_FILE (-30133)

Description	This error occurs while reading an MDA control block.
Action	Verify that the MDA control block exists in the specified RESLIB library.
Reference	The basic RESLIB library is specified in the ims.conf file.

IMS_ERR_WRITE_MDA_FILE (-30134)

Description	This error occurs while writing to an MDA control block.
Action	Check whether the user has write permission for the specified RESLIB library.
Reference	The basic RESLIB library is specified in the ims.conf file.

IMS_ERR_OPEN_DAB_FILE (-30135)

Description	This error occurs while opening a specified DAB script.
Action	Verify that the DAB script file exists in the specified path.

IMS_ERR_PARSE_DAB_FILE (-30136)

Description	This error occurs while parsing a specified DAB script.
Action	Verify that the script has no grammatical errors.
Reference	Refer to the ADMDAB section in the "HiDB Utility Reference Guide."

IMS_ERR_CDLI_ALREADY_SCHEDULED (-30201)

Description	This error occurs when trying to reschedule a PSB that has been scheduled in the Command Level DL/I interface.
Action	Delete the code that tries to reschedule the PSB.

IMS_ERR_CDLI_NOT_SCHEDULED (-30202)

Description	This error occurs when trying to use a PSB without scheduling the PSB in the Command Level DL/I interface.
Action	Add code that schedules the PSB in the program.

IMS_ERR_CDLI_UNSUPPORTED_PCBTYPE (-30203)

Description	This error occurs when the PCB type is not supported in the Command Level DL/I interface.
Action	Verify that the PCB type used in the program, is supported.

IMS_ERR_CDLI_INVALID_SSA (-30204)

Description	This error occurs when an SSA is not specified correctly in the Command Level DL/I interface.
Action	Verify that the SSA type is specified correctly in the program.

2.28. SVRCOM (-32000)

The SVRCOM module is the Tmax Server common library module. This section lists the error codes that can occur in the SVRCOM module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

SVRCOM_ERR_INTERNAL (-32001)

Description	This error occurs when there is an SVRCOM internal error.
Action	Contact the TmaxSoft technical support team.

SVRCOM_ERR_INVALID_PARAM (-32002)

Description	This error occurs when a parameter specified for libsvrcom() is invalid. Because this library is not currently available for external use, this error will not be displayed.
Action	Contact the TmaxSoft technical support team.

SVRCOM_ERR_INVALID_CONFIG (-32003)

Description	This error occurs when there is an OpenFrame configuration error.
Action	Check the displayed messages in the server log to determine the configuration error and then try to fix the problem. After the problem is fixed, restart OpenFrame.

SVRCOM_ERR_INVALID_LENGTH (-32004)

Description	This error occurs when the buffer size passed as a parameter to call libsvrcom() is not sufficient. This error often occurs while processing the svrcom_fbget() call. Because this library is not currently available for external use, this error will not be displayed.
Action	Contact the TmaxSoft technical support team.

SVRCOM_ERR_SVR_STARTED (-32101)

Description	This error occurs when there is a problem related to an OpenFrame server coding standard. This error may occur when the SVRCOM library has been notified more than twice that Tmax server has been started. Because this library is not currently available for external use, this error will not be displayed.
Action	Contact the TmaxSoft technical support team.

SVRCOM_ERR_SVR_NOT_STARTED (-32102)

Description	This error occurs when there is a problem related to an OpenFrame server coding standard. This error may occur when successor jobs are set to run without notifying the SVRCOM library that Tmax server has started. There is a high
--------------------	--

	possibility that the existing server has not been terminated. Because this library is not currently available for external use, this error will not be displayed.
Action	Contact the TmaxSoft technical support team.

SVRCOM_ERR_SVC_STARTED (-32111)

Description	This error occurs when there is a problem related to an OpenFrame server coding standard. This error may occur when the SVRCOM library has been notified more than twice that the Tmax service has been started. It is likely that the existing server has not been terminated. Because this library is not currently available for external use, this error will not be displayed.
Action	Contact the TmaxSoft technical support team.

SVRCOM_ERR_SVC_NOT_STARTED (-32112)

Description	This error occurs when there is a problem related to the OpenFrame server coding standard. This error may occur when successor jobs are set to run without notifying the SVRCOM library that the Tmax service has been started. There is a high possibility that the existing server has not been terminated. Because this library is not currently for external use, this error will not appear.
Action	Contact the TmaxSoft technical support team.

SVRCOM_ERR_SYSTEM (-32201)

Description	This error occurs when the UNIX function call used in libsvrcom() fails.
Action	Check the error message log of the module and if it is a problem related to the UNIX system, correct it. This error may be related to errors in the configuration settings for access authority, path, temporary space, or swap space.

SVRCOM_ERR_TPALLOC (-32300)

Description	This error occurs when the talloc() function call to generate Tmax buffer fails.
Action	Check the error log of the module and then contact the system administrator.

Reference	Refer to the error message generated while processing the tmalloc() or fmalloc() call described in the "Tmax Reference Guide."
------------------	--

SVRCOM_ERR_TPFREE (-32301)

Description	This error occurs when the tpfree() function call to deallocate the Tmax buffer fails.
Action	Check the error log of the module and then contact the system administrator.
Reference	Refer to the error message generated while processing the tpfree() or fbfree() call described in the "Tmax Reference Guide."

SVRCOM_ERR_TPCALL (-32302)

Description	This error occurs when the Tmax tpcall() function fails.
Action	Check the error log of the module to determine whether the service returns TPFAIL or is abnormally terminated.
Reference	Refer to the errors that occurred while processing the tpcall() call described in the "Tmax Reference Guide."

SVRCOM_ERR_TPGETMYNODE (-32305)

Description	This error occurs when the Tmax tpgetmynode() function call fails.
Action	Check the error log of the module and then contact the system administrator.
Reference	Refer to the "Tmax Reference Guide".

SVRCOM_ERR_FBPUT (-32310)

Description	This error occurs when adding a new field to the Tmax field buffer with fbput() fails.
Action	Check the error log of the module and then contact the system administrator.
Reference	Refer to the "Tmax FDL Reference Guide."

SVRCOM_ERR_FBGET (-32311)

Description	This error occurs when retrieving a field value from the Tmax field buffer with fpget() fails.
Action	Check the error log of the module and then contact the system administrator.
Reference	Refer to the "Tmax FDL Reference Guide."

SVRCOM_ERR_FBGETLEN (-32312)

Description	This error occurs when retrieving a field length from the Tmax field buffer with fbgetlen() fails.
Action	Check the error log of the module and then contact the system administrator.
Reference	Refer to the "Tmax FDL Reference Guide."

SVRCOM_ERR_FIELD_NOT_FOUND (-32313)

Description	This error occurs when the Tmax field key is not defined in the ofb.fdl file.
Action	Check whether the FDLFILE contains the correct file path for the ofb.fdl file and whether there are abnormal changes within the ofb.fdl file. If the file has been changed unexpectedly, reinstall the previous ofb.fdl file.
Reference	Refer to the "OpenFrame Installation Guide" or the "Tmax FDL Reference Guide."

SVRCOM_ERR_FBNOENT (-32314)

Description	This error occurs when the Tmax field key does not exist in the specified field buffer.
Action	If the field is not mandatory, this error message is returned with additional information. If the error causes the server to exit abnormally, it indicates that the Tmax server or client does not follow the API rules that the service expects. Request that a developer change the program.

SVRCOM_ERR_TSAM_CONNECT (-32400)

Description	This error occurs when connecting to TSAM fails.
--------------------	--

Action	Analyze the log to determine the reason for the disconnection. This error may occur while using a DSIO or TSAM module.
Reference	Refer to the "Tibero TSAM Guide."

SVRCOM_ERR_TSAM_TXSTART (-32401)

Description	This error occurs when starting a TSAM transaction fails.
Action	Analyze the server log where the error occurred. This error may occur due to being disconnected from TSAM.
Reference	Refer to the "Tibero TSAM Guide."

SVRCOM_ERR_TSAM_TXEND (-32410)

Description	This error occurs when closing a TSAM transaction fails.
Action	Analyze the server log where the error occurred. This error may occur due to being disconnected from TSAM.
Reference	Refer to the "Tibero TSAM Guide."

SVRCOM_ERR_TSAM_TXCOMMIT (-32411)

Description	This error occurs when committing a TSAM transaction fails.
Action	Analyze the server log where the error occurred. This error may occur due to being disconnected from TSAM.
Reference	Refer to the "Tibero TSAM Guide".

SVRCOM_ERR_TSAM_TXROLL (-32412)

Description	This error occurs when rolling back a TSAM transaction fails.
Action	Analyze the server log where the error occurred. This error may occur due to being disconnected from TSAM.
Reference	Refer to the "Tibero TSAM Guide."

2.29. OUTQ (-33000)

The OUTQ module is responsible for managing the Output Queue. This section lists the error codes that can occur in the OUTQ module, descriptions of each error code, suggested corrective actions, and in some cases references for more information.

OUTQ_ERR_INVALID_INPUT (-33001)

Description	This error occurs when an input parameter for the API is set to null.
Action	This error might occur if there is a problem with the memory of the process. Analyze the error log to determine the proper response for the circumstances.

OUTQ_ERR_INVALID_USERNAME (-33002)

Description	This error occurs when the USERNAME specified for connecting to TSAM is invalid.
Action	Check whether the USERNAME item of the [SYS1_CLIENT] section in the ds.conf file is correctly specified.

OUTQ_ERR_INVALID_PASSWORD (-33003)

Description	This error occurs when the PASSWORD specified for connecting to TSAM is invalid.
Action	Check whether the PASSWORD item in the [SYS1_CLIENT] section of the ds.conf file is correctly specified.

OUTQ_ERR_INVALID_DATABASE (-33004)

Description	This error occurs when the DATABASE specified for connecting to TSAM is invalid.
Action	Check whether the DATABASE item of the [SYS1_CLIENT] section in the ds.conf file is correctly specified.

OUTQ_ERR_OPENDIR (-33011)

Description	This error occurs when opening a directory fails.
Action	Check whether the directory exists.

OUTQ_ERR_CREATE_FILE (-33100)

Description	This error occurs when generating a file fails.
Action	Analyze the error log to determine the proper response for the circumstances.

OUTQ_ERR_COPY_ERROR (-33101)

Description	This error occurs when copying a file fails.
Action	Analyze the error log to determine the proper response for the circumstances.

OUTQ_ERR_UNLINK (-33102)

Description	This error occurs when deleting a file fails.
Action	Analyze the error log to determine the proper response for the circumstances.

OUTQ_ERR_TPCALL (-33200)

Description	This error occurs when the tpcall() function call fails.
Action	Check whether the server process is running or the service exists.
Reference	Refer to the "Tmax Error Message Reference Guide."

OUTQ_ERR_TPALLOC (-33201)

Description	This error occurs when the talloc() function call fails.
Action	Check whether there is sufficient memory space in the system. Analyze the error log to determine the proper response for the circumstances.
Reference	Refer to the "Tmax Error Message Reference Guide."

OUTQ_ERR_TPREALLOC (-33202)

Description	This error occurs when the tprealloc() function call fails.
Action	Check whether there is sufficient memory space in the system. Analyze the error log to determine the proper response for the circumstances.
Reference	Refer to the "Tmax Error Message Reference Guide."

OUTQ_ERR_RCVBUF_NULL (-33203)

Description	This error occurs when the receive buffer is set to null.
Action	Refer to the logs and then contact the TmaxSoft technical support team.
Reference	Refer to the "Tmax Error Message Reference Guide."

OUTQ_ERR_FBPUT (-33204)

Description	This error occurs when the fbput() function call fails.
Action	Refer to the logs and then contact the TmaxSoft technical support team.
Reference	Refer to the "Tmax Error Message Reference Guide."

OUTQ_ERR_FBGET (-33205)

Description	This error occurs when the fbget() function call fails.
Action	Refer to the logs and then contact the TmaxSoft technical support team.
Reference	Refer to the "Tmax Error Message Reference Guide."

OUTQ_ERR_OUTPUTQ_FULL (-33300)

Description	This error occurs when there is a failure processing a call because OUTPUTQ is full.
Action	Increase the size of OUTPUTQ or delete unnecessary jobs from the OUTPUTQ.

2.30. CONSOLE (-34000)

The Console module is responsible for OpenFrame's console function. This section lists the error codes that can occur in the Console module, descriptions of each error code, suggested corrective actions, and in some cases, references to more information.

CONSOLE_MALLOC_ERROR (-34010)

Description	This error occurs when system memory allocation fails.
Action	First check the client logs and the ofrcmsvr logs and then contact the TmaxSoft technical support team.
Reference	Refer to malloc() in the UNIX Manual Page.

CONSOLE_INVALID_REQUEST (-34011)

Description	This error occurs when there is a problem with the data format of the console client. (tconmgr or concli library)
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

CONSOLE_INTERNAL_ERROR (-34014)

Description	This error occurs when there is an internal error.
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

CONSOLE_MSG_LEN_OVERFLOW (-34015)

Description	This error occurs when the message length exceeds the maximum value of 4,096 bytes.
Action	Revise the application program to divide the message to be sent.

CONSOLE_MSG_EMPTY (-34016)

Description	This error occurs when an empty message is transmitted while performing the DISPLAY command.
Action	Check the application.

CONSOLE_INVALID_RECV_BUFFER (-34017)

Description	This error occurs when there is a problem with the buffer while receiving a message via the ACCEPT command.
Action	Check the application.

CONSOLE_CONFIG_ERROR (-34018)

Description	This error occurs when there is a problem with the configuration file.
Action	Check the configuration settings in the [CONSOLE] section in the ofsys.conf file. Check the ofrcmsvr log.

CONSOLE_FILE_IO_ERROR (-34041)

Description	This error occurs when there is a failure calling the UNIX system API for file I/O.
Action	Refer to the ofrcmsvr log.
Reference	Refer to open() and write() in the UNIX Manual Page.

CONSOLE_INVALID_FILE_DATA (-34042)

Description	This error occurs when there is a problem with console message file (CONSOLE_MSG_YYYYMMDD) data.
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

CONSOLE_ERR_INVALID_PARAM (-34051)

Description	This error occurs due to an invalid parameter in an internal program of the console.
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

CONSOLE_ERR_TPALLOC (-34052)

Description	This error occurs when Tmax memory allocation fails in the console.
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

CONSOLE_ERR_TPGETCLID (-34053)

Description	This error occurs when the Tmax API tpgetclid() fails in the console.
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

CONSOLE_ERR_DUPLICATE_CLID (-34054)

Description	This error occurs when a duplicate client ID attempts to access the console server. It occurs when a client ID that abnormally terminates is not removed from the console server.
Action	Restart the console server.

CONSOLE_ERR_CLI_LIST_LOOKUP (-34055)

Description	This error occurs when the client ID cannot be found in the console.
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

CONSOLE_ERR_INVALID_CLID (-34056)

Description	This error occurs when the console server receives an invalid client ID.
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

CONSOLE_ERR_EMPTY_CLI_LIST (-34057)

Description	This error occurs when there is no client list to be deleted in the console server.
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

CONSOLE_ERR_CLID_NOT_FOUND (-34058)

Description	This error occurs when the client ID to be deleted cannot be found in the console server.
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

CONSOLE_ERR_FBPUT (-34059)

Description	This error occurs when the Tmax API fbput() fails in the console server.
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

CONSOLE_ERR_SENDCOCLI (-34060)

Description	This error occurs when the Tmax API tpsendtocli() fails in the console server.
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

CONSOLE_ERR_TPCALL (-34061)

Description	This error occurs when the Tmax API tpcall() fails in the console server.
--------------------	---

Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.
---------------	--

CONSOLE_ERR_TPSTART (-34062)

Description	This error occurs when the Tmax API tpstart() fails in the console server.
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

CONSOLE_ERR_TPSETUNSOL_FLAG (-34063)

Description	This error occurs when the Tmax API tpsetunsol_flag() fails in the console server.
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

CONSOLE_ERR_TPSETUNSOL (-34064)

Description	This error occurs when the Tmax API tpsetunsol() fails in the console server.
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

CONSOLE_ERR_TPRELAY (-34065)

Description	This error occurs when the Tmax API tprelay() fails in the console server.
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

CONSOLE_ERR_FBGET (-34066)

Description	This error occurs when the Tmax API fbget() fails in the console server.
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

CONSOLE_ERR_TPREALLOC (-34067)

Description	This error occurs when the Tmax API tprealloc() fails in the console server.
Action	Refer to the client and ofrcmsvr log and then contact the TmaxSoft technical support team.

2.31. SPIO (-36000)

The SPIO module is responsible for SPOOL dataset management and I/O to the dataset. This section lists the error codes that can occur in the SPIO module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

SPIO_ERR_INVALID_REQUEST (-36001)

Description	This error occurs when there is an SPIO library usage error. (Invalid Request)
Action	Contact the TmaxSoft technical support team.

SPIO_ERR_MEMORY_ALLOC (-36002)

Description	This error occurs when system memory allocation fails.
Action	Contact the system administrator.

SPIO_ERR_INTERNAL (-36003)

Description	This error occurs when there is an SPIO library internal error. (Internal).
Action	Contact the TmaxSoft technical support team.

SPIO_ERR_NOT_IMPLEMENTED (-36004)

Description	This error occurs when a call was made to a function that is not implemented.
Action	Contact the TmaxSoft technical support team.

SPIO_ERR_NOT_ALLOWED (-36005)

Description	This error occurs when using a mode that is not allowed.
Action	Check the error message.

SPIO_ERR_END_OF_FILE (-36006)

Description	This error occurs when an end of file is reached.
Action	Check the processing structure of the application.

SPIO_ERR_MAX_FILES (-36101)

Description	This error occurs when the maximum available number of files that can be opened has been exceeded.
Action	Contact the TmaxSoft technical support team.

SPIO_ERR_INVALID_FD (-36102)

Description	This error occurs when a given FD is not valid.
Action	Contact the TmaxSoft technical support team.

SPIO_ERR_GET_RDW_FAIL (-36201)

Description	This error occurs when reading a variable length dataset record and the RDW information is not valid.
Action	Check the error message.

SPIO_ERR_PUT_RDW_FAIL (-36202)

Description	This error occurs when writing a variable length dataset record and the RDW information is not valid.
Action	Check the error message.

SPIO_ERR_INVALID_BUF_SIZE (-36203)

Description	This error occurs when the record buffer size specified in an application program does not match the actual dataset length.
Action	Check the application program and the length of the dataset.

SPIO_ERR_SIZE_LIMIT_OVER (-36204)

Description	This error occurs when exceeding the maximum available file size.
Action	Check the size of the file.

SPIO_ERR_SYSTEM_OPEN (-36901)

Description	This error occurs when the open() function call fails.
Action	Contact the system administrator.
Reference	Refer to the system error message displayed when this error occurs.

SPIO_ERR_SYSTEM_READ (-36902)

Description	This error occurs when the read() function call fails.
Action	Contact the system administrator.
Reference	Refer to the system error message displayed when this error occurs.

SPIO_ERR_SYSTEM_WRITE (-36903)

Description	This error occurs when the write() function call fails.
Action	Contact the system administrator.
Reference	Refer to the system error message displayed when this error occurs.

SPIO_ERR_SYSTEM_CLOSE (-36904)

Description	This error occurs when the close() function call fails.
Action	Contact the system administrator.

Reference	Refer to the system error message displayed when this error occurs.
------------------	---

2.32. SMF (-93000)

The SMF module manages the OpenFrame SMF log. This section lists the error codes that can occur in the SMF module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

SMF_ERR_INVALID_PARAM (-93001)

Description	This error occurs when an invalid argument is transferred to an SMF service or library.
Action	Contact the TmaxSoft technical support team.

SMF_ERR_INTERNAL (-93002)

Description	This error occurs when there is an internal SMF error.
Action	Contact the TmaxSoft technical support team.

SMF_ERR_SYSTEM (-93003)

Description	This error occurs when an UNIX system call fails.
Action	Refer to the error logs of the module and check the system status.

SMF_ERR_WRITE_LENGTH (-93100)

Description	This error occurs if an invalid record length is specified when writing to a dataset in SMF.
Action	This error code is not currently used.

SMF_ERR_DSN_NOMATCH (-93200)

Description	This error occurs when the SMF data that corresponds to the specified name cannot be found.
--------------------	---

Action	Check the dataset name again. The list of SMF datasets can be found using the smfmgr STATUS command.
---------------	--

SMF_ERR_DS_INVALID_STATUS (-93210)

Description	This error occurs when the SMF dataset status is abnormal.
Action	Contact the TmaxSoft technical support team.

SMF_ERR_DS_NOT_AVAILABLE (-93220)

Description	This error occurs when there are no more available SMF datasets.
Action	Check the dataset status through smfmgr and secure an available dataset. (use the DUMP function of IFSMFD.)

SMF_ERR_TPALLOC (-93700)

Description	This error occurs when a Tmax tmalloc() function call fails.
Action	Check the error logs of the module and contact the TmaxSoft technical support team.
Reference	Refer to the errors generated in tmalloc() or fmalloc() in the "Tmax Reference Guide."

SMF_ERR_TPCALL (-93702)

Description	This error occurs when a Tmax tpcall() function call fails.
Action	Check the error logs of the module to determine whether the service that generated the error returned TPFail normally or failed abnormally.
Reference	Refer to the errors that can be generated by tpcall() in the "Tmax Reference Guide."

SMF_ERR_FBPUT (-93710)

Description	This error occurs when a Tmax fbput() function call fails.
--------------------	--

Action	Refer to the error logs of the module and contact the TmaxSoft technical support team.
Reference	Refer to the "Tmax FDL Reference Guide."

SMF_ERR_FBGET (-93711)

Description	This error occurs when a Tmax fbget() function call fails.
Action	Refer to the error logs of the module and contact the TmaxSoft technical support team.
Reference	Refer to the "Tmax FDL Reference Guide."

SMF_ERR_VERSION_MISMATCH (-93900)

Description	This error occurs when the SMFINFO used in SMF is no longer compatible due to a version change.
Action	Restore the ofrsmlog and dump all SMF datasets through IFASFDP. Update SMF with the new version and initialize SMF.

Chapter 3. Collective Modules

3.1. OSCSVR (-57000)

OSCSVR is the OSC server module. This section lists the error codes that can occur in the OSCSVR module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

OSCTLSVR_MEMORY_ALLOC (-57001)

Description	This error occurs when system memory allocation fails.
Action	Check if the server process status is normal.

OSCTLSVR_CONFIG (-57002)

Description	This error is caused by missing or invalid information in the configuration file.
Action	Correct or revise the configuration file based on the details of the error conditions shown in the log.

OSCTLSVR_INTERNAL (-57003)

Description	This error occurs when there is an internal system error.
Action	This error is mostly like due to errors in the server process. Contact a system administrator with the given information.

OSCTLSVR_INVREQ (-57004)

Description	This error is caused by an invalid request from the TDQ module of the OSC application server.
Action	Refer to the error conditions and log information and then contact the system administrator.

OSCTLSVR_SOCKET (-57011)

Description	This error occurs while creating a socket.
Action	Refer to the log information and then contact the system administrator.

OSCTLSVR_SETSOCKOPT (-57012)

Description	This error occurs when invoking a setssockopt() system call to the communication socket connected to the OSC application server fails.
Action	Refer to the log information and then contact the system administrator.

OSCTLSVR_BIND (-57013)

Description	This error occurs while issuing a bind() system call to the socket used to communicate with the OSC application server.
Action	Refer to the log information and then contact the system administrator.

OSCTLSVR_LISTEN (-57014)

Description	This error occurs while issuing a listen() system call to the socket used to communicate with the OSC application server.
Action	Refer to the log information and then contact the system administrator.

OSCTLSVR_ACCEPT (-57015)

Description	This error occurs while issuing an accept call to the socket used to communicate with the OSC application server.
Action	Refer to the log information and then contact the system administrator.

OSCTLSVR_SEND (-57016)

Description	This error occurs while sending data to the OSC application server.
Action	Refer to the log information and then contact the system administrator.

OSCTLSVR_RECV (-57017)

Description	This error occurs while receiving data from the OSC application server.
Action	Refer to the log information and then contact the system administrator.

OSCTLSVR_RECV_ZERO_RCVD (-57018)

Description	This error occurs when a socket connection is closed due to termination of the connected OSC application server.
Action	Check if there is a problem with the connected OSC application server.

OSCTLSVR_ACCESS (-57019)

Description	This error occurs when accessing a directory to write a file.
Action	Refer to the log information and then contact the system administrator.

OSCTLSVR_MKDIR (-57020)

Description	This error occurs when creating a directory for a file.
Action	Refer to the log information and then contact the system administrator.

OSCTLSVR_TIME (-57021)

Description	This error occurs while issuing a time() system call to retrieve time to attach date to a file extension.
Action	Refer to the log information and then contact the system administrator.

OSCTLSVR_LOCALTIME (-57022)

Description	This error occurs while issuing a localtime() system call to retrieve time to attach date to a file extension.
Action	Refer to the log information and then contact the system administrator.

OSCTLSVR_SOCKET_DUPLICATED (-57031)

Description	This error occurs while trying to register a socket that is already registered.
Action	Refer to the error conditions and log information and then contact the system administrator.

OSCTLSVR_SOCKET_NOTFND (-57032)

Description	This error occurs when a connected socket cannot be found.
Action	Refer to the error conditions and log information and then contact the system administrator.

OSCTLSVR_FD_DUPLICATED (-57033)

Description	This error occurs while trying to register a file that is already registered.
Action	Refer to the error conditions and log information and then contact the system administrator.

OSCTLSVR_FD_NOTFND (-57034)

Description	This error occurs when the file cannot be found.
Action	Refer to the error conditions and log information and then contact the system administrator.

OSCTLSVR_DDNAME_NOTFND (-57035)

Description	This error occurs when a DDNAME does not exist in the internally managed DDNAME list.
Action	Check if the server process is running normally.

OSCTLSVR_INFO_NOTFND (-57036)

Description	This error occurs when a DDNAME does not exist in the internally managed information list.
--------------------	--

Action	Check if the server process is normally running.
---------------	--

OSCTLSVR_BUF_OPEN (-57051)

Description	This error occurs when opening a file fails.
Action	Check the system error shown in the log.

OSCTLSVR_BUF_MALLOC (-57052)

Description	This error occurs when system memory allocation fails.
Action	Check if the server process status is normal.

OSCTLSVR_BUF_INVALID_INDEX (-57053)

Description	This error occurs when the system attempts to close or write to a buffer that does not exist.
Action	Internal system error. Refer to the error conditions and log information and then contact the system administrator.

OSCTLSVR_BUF_NOT_SUPPORT_FULLMODE (-57054)

Description	This error occurs when attempting to use the wait mode when is not supported.
Action	Contact the TmaxSoft technical support team.

OSCTLSVR_BUF_SIZE_OVER (-57055)

Description	This error occurs when the length of the data record is larger than the buffer size.
Action	Increase the buffer size.

OSCTLSVR_BUF_WRITER_CREATE (-57056)

Description	This error occurs when creating a thread to internally record a file, fails.
Action	Check the system error shown in the log information.

OSCTLSVR_BUF_MAX_FILE_EXCEEDED (-57057)

Description	This error occurs when exceeding the maximum available number of files to record.
Action	Increase the maximum number of files set in the configuration file.

OSCTLSVR_BUF_BUFSIZE_INVALID (-57058)

Description	This error occurs due to an invalid buffer size. The buffer size must be larger than 0.
Action	Reconfigure the buffer size.

OSCTLSVR_BUF_BUFSIZE_SMALL (-57059)

Description	This error occurs when buffer size is smaller than the amount of data to be recorded.
Action	Increase the buffer size.

OSCTLSVR_BUF_FULL (-57060)

Description	This error occurs when the buffer is full and the process can no longer write data to the buffer.
Action	Increase the buffer size.

OSCTLSVR_BUF_REOPEN (-57061)

Description	This error occurs when opening a file, fails.
Action	Check the error condition with the error information shown in the log.

OSCTLSVR_BUF_ABNORMAL_WRITER (-57062)

Description	This error occurs when there is a problem in a thread used to internally record a file.
Action	Refer to the error conditions and then contact the system administrator.

OSCTLSVR_BUF_ALREADY_INITIALIZED (-57071)

Description	This error occurs when trying to initialize a buffer module which is already initialized.
Action	This error is most likely due to an error in a process. Check if the process is running normally.

OSCTLSVR_BUF_NOT_INITIALIZED (-57072)

Description	This error occurs when trying to use a buffer module which has not been initialized.
Action	This error is most likely due to an error in a process. Check if the process is running normally.

OSCNCSVR_ERROR (-57101)

Description	This error occurs when there is an unknown internal error.
Action	Check the system logs.

OSCNCSVR_SM_EOF (-57102)

Description	This error occurs when there is no more data to read when internally recovering NCS information.
Action	Internally managed error.

OSCNCSVR_NCINFO_NOTFND (-57103)

Description	This error occurs when the requested counter information cannot be found.
Action	Redefine the counter.

OSCNCSVR_NCINFO_DUP (-57104)

Description	This error occurs when trying to define a counter which already exists.
Action	Redefine the counter with another name or use the counter that is already defined.

OSCNCSVR_MEMORY_ALLOCATION (-57105)

Description	This error occurs when system memory allocation fails.
Action	Check if server process status is normal.

OSCNCSVR_INTERNAL (-57106)

Description	This error occurs when there is an internal system error.
Action	This error is mostly like due to errors in the server process. Contact the system administrator with the given information.

OSCNCSVR_COUNTER_NOTFND (-57107)

Description	This error occurs when the requested counter information cannot be found.
Action	Redefine the counter.

OSCNCSVR_INVALID_INCREMENT (-57108)

Description	This error occurs when a specified INCREMENT value is invalid. This value should be equal to or less than "Max value - Min value + 1".
Action	Check the Named Counter information using OFAdmin/OMC, to determine if the INCREMENT value is valid.

OSCNCSVR_INVALID_VALUE (-57109)

Description	This error occurs when a specified value is less than the minimum value or larger than "Max + 1".
Action	Check the Named Counter information using OFAdmin/OMC to determine if the INCREMENT value is valid.

OSCNCSVR_LIMIT_NOT_REACHED (-57110)

Description	This error occurs when the current value has not reached "Max value + 1".
Action	Contact the TmaxSoft technical support team.

OSCNCSVR_COMPAREMINMAX (-57111)

Description	This error occurs when the current value is less than COMPAREMIN or greater than COMPAREMAX.
Action	Contact the TmaxSoft technical support team.

OSCNCSVR_RESET_REQUIRED (-57112)

Description	This error occurs when a specified value has reached the maximum value.
Action	Reset the counter with either a REWIND command or by specifying the WRAP option for the GET command.

OSCNCSVR_COUNTER_DUPLICATED (-57113)

Description	This error occurs when trying to define a counter which already exists.
Action	Redefine the counter with another name or use the counter that is already defined.

OSCNCSVR_BROWSE_MAX_EXCEEDED (-57121)

Description	This error occurs when exceeding the maximum number of counters. (Up to 10,000,000 counters are allowed.)
Action	Contact the system administrator.

OSCDFSVR_BRKE_TARGETNOTFOUND (-57301)

Description	This error occurs when information about the transaction or terminal that called the current BRKE in the transaction trace list cannot be found.
Action	Check if the traction or terminal having called the current BRKE was registered.

OSCDFSVR_RESP_TARGETNOTFOUND (-57302)

Description	This error occurs when the OFAdmin client's username to report trace results in the transaction trace list cannot be found.
Action	Check the username of the OFAdmin client.

Reference	Check for the username of the OFAdmin client in "OM Preferences" of the [Preferences] menu.
------------------	---

OSCDFSVR_RESP_NOEDFCTX (-57303)

Description	This error occurs when the connection information for OFAdmin client's username for reporting report trace results cannot be found.
Action	Check the connection information of the OFAdmin client.
Reference	Check the connection information of the OFAdmin client in "OM Preferences" of the [Preferences] menu.

OSCOSSVR_INTERNAL_ERROR (-58001)

Description	This error occurs when there is an internal system error.
Action	This error is mostly like due to errors in the server process. Contact the system administrator with the given information.

OSCOSSVR_MEMORY_ALLOCATION_ERROR (-58002)

Description	This error occurs when system memory allocation fails.
Action	Check if the server process status is normal.

OSCOSSVR_INPUT_DATA_INVALID (-58011)

Description	This error is caused by an invalid input value.
Action	Refer to the error conditions and log information and then contact the system administrator.

OSCOSSVR_OPCODE_INVALID (-58012)

Description	This error is caused by an invalid operation code.
Action	Refer to the error conditions and log information and then contact the system administrator.

OSCOSSVR_CWA_ADDRESS_INVALID (-58013)

Description	This error is caused by an invalid CWA address.
Action	Contact the TmaxSoft technical support team.

OSCOSSVR_MSC_MAP_NOT_FOUND (-58014)

Description	This error occurs when a map file cannot be found.
Action	Contact the TmaxSoft technical support team.

OSCOSSVR_MSC_MAP_MULTIPLE_MAP_ERROR (-58015)

Description	This error occurs when multiple maps are defined in a map file.
Action	Check the map file then try again.

OSCOSSVR_MSC_MAP_CSsymbol_INVALID (-58016)

Description	This error occurs when the csymbol is invalid.
Action	Contact the TmaxSoft technical support team.

OSCOSSVR_TPGETMYNODE_ERROR (-58017)

Description	This error occurs when there is an internal system error.
Action	Refer to the error conditions and log information and then contact the system administrator.

OSCMQSVR_INTERNAL (-581101)

Description	Internal system error.
Action	Check relevant files and log messages and then contact an administrator.

OSCMQSVR_MEMORY_ALLOCATION (-581102)

Description	This error occurs when system memory allocation fails.
Action	Check if the server process status is normal.

OSCMQSVR_CONFIG (-581111)

Description	This error occurs when the retrieval of a configuration value from a MQSVR configuration file fails.
Action	Check relevant files and log messages and then contact an administrator.

3.2. OSC (-50000)

The OSC module is used with OSC (Online System type C). This section lists the error codes that can occur in the OSC module, descriptions of each error code, suggested corrective actions, and in some cases, references for more information.

ADDR_CWA_INVALID_SHMKEY (-50001)

Description	This error occurs when a specified key value for CWA shared memory is invalid.
Action	Check if the CWA shared memory key value is correctly specified in the configuration file.

ADDR_CWA_OPEN_ERROR (-50002)

Description	This error occurs when there is a failure to open CWA shared memory.
Action	Check if the CWA shared memory key value is correctly specified in the configuration file. Check the shared memory system utility.

ADDR_CWA_ATTACH_ERROR (-50003)

Description	This error occurs when attempting to attach to CWA shared memory fails.
Action	Check if the CWA shared memory key value is correctly specified in the configuration file. Check the shared memory system utility.

ADDR_CWA_DETACH_ERROR (-50004)

Description	This error occurs when attempting to detach from CWA shared memory fails.
Action	Check if the CWA shared memory key value is correctly specified in the configuration file. Check the shared memory system utility.

ADDR_CWA_IS_NULL (-50005)

Description	This error occurs when the CWA shared memory area configuration is incorrect.
Action	Internal error.

ADDR_SWA_INVALID_SHMKEY (-50006)

Description	This error occurs when a specified key value for SWA shared memory is invalid.
Action	Check if the key value specified for SWA shared memory in the configuration file is correct.
Reference	Refer to the "OpenFrame OSC Administrator's Guide."

ADDR_SWA_OPEN_ERROR (-50007)

Description	This error occurs when attempting to open SWA shared memory fails.
Action	Check if the SWA shared memory key value is correctly specified in the configuration file. Check the shared memory system utility.

ADDR_SWA_ATTACH_ERROR (-50008)

Description	This error occurs when attempting to attach SWA shared memory fails.
Action	Check if the SWA shared memory key value is correctly specified in the configuration file. Check the shared memory system utility.

ADDR_SWA_DETACH_ERROR (-50009)

Description	This error occurs when attempting to detach SWA shared memory fails.
--------------------	--

Action	Check if the SWA shared memory key value is correctly specified in the configuration file. Check the shared memory system utility.
---------------	--

ADDR_SWA_IS_NULL (-50010)

Description	This error occurs when the SWA shared memory area is incorrectly specified.
Action	Internal error

DLIC_MEMORY_ALLOC (-50101)

Description	This error occurs when system memory allocation fails.
Action	Check if the server process status is normal.

DLIC_INVREQ (-50102)

Description	This error occurs due to an invalid request.
Action	Contact a system administrator referring to the error condition and log information.

DLIC_IMS_NOT_INSTALLED (-50103)

Description	This error occurs when the IMS product has not been installed.
Action	The IMS product must be installed to use DLIC module.

DLIC_PCB_TYPE_INVALID (-50111)

Description	This error occurs when an IO PCB is not supported.
Action	Check if the PCB type is DB PCB.

DLIC_PCB_TYPE_NOT_SUPPORTED (-50112)

Description	This error occurs when a database organization other than HIDAM is used.
Action	Contact the TmaxSoft technical support team.

DS_MEMORY_ALLOC (-50201)

Description	This error occurs when system memory allocation fails.
Action	Check if the server process status is normal.

DS_INTERNAL (-50202)

Description	This error occurs when there is an internal system error.
Action	Refer to the error condition and log information and contact a system administrator.

DS_INVREQ (-50203)

Description	This error occurs due to an invalid request.
Action	Refer to the error condition and log information and contact a system administrator.

DS_NOT_INITIALIZED (-50204)

Description	This error occurs when a module has not been initialized.
Action	Check if the server process status is normal.

DS_ALREADY_INITIALIZED (-50205)

Description	This error occurs when trying to initialize a module that has already been initialized.
Action	Check if the server process status is normal.

DS_CONFIGURATION (-50206)

Description	This error occurs when there is a problem with the TSAM or SYS1 connection configuration.
Action	Correctly specify the configuration file. USERNAME and PASSWORD cannot exceed 31 bytes and DATABASE length cannot exceed 255 bytes.

DS_SYS1_NOT_CONNECTED (-50211)

Description	This error occurs when the connection to SYS1 has not been established.
Action	This might be caused by a connection problem. Contact a system administrator.

DS_SYS1_CONN_FAILED (-50212)

Description	This error occurs when there is a failure to connect to SYS1.
Action	Check if a connection can be established.

DS_SYS1_TX_ALREADY_BEGUN (-50213)

Description	This error occurs when a transaction has already been started on the SYS1 connection.
Action	Contact a system administrator.

DS_SYS1_TX_NOT_BEGUN (-50214)

Description	This error occurs when a transaction has not yet been started on the SYS1 connection.
Action	Contact the system administrator.

DS_SYS1_NO_USE (-50215)

Description	This error occurs when the SYS1 connection is not used.
Action	Contact the TmaxSoft technical support team.

DS_SYS1B_NOT_CONNECTED (-50216)

Description	This error occurs when the connection to SYS1 has not been established.
Action	Perhaps it is a connection problem. Contact a system administrator.

DS_SYS1B_CONN_FAILED (-50217)

Description	This error occurs when connecting to SYS1 fails.
Action	Check if the connection can be established.

DS_SYS1B_TX_ALREADY_BEGUN (-50218)

Description	This error occurs when a transaction has already been started on the SYS1 connection.
Action	Contact a system administrator.

DS_SYS1B_TX_NOT_BEGUN (-50219)

Description	This error occurs when a transaction has not yet been started on the SYS1 connection.
Action	Contact a system administrator.

DS_TSAM_NOT_CONNECTED (-50231)

Description	This error occurs when the connection to TSAM has not been established.
Action	Perhaps it is a connection problem. Contact a system administrator.

DS_TSAM_CONN_FAILED (-50232)

Description	This error occurs when connecting to TSAM fails.
Action	Check if the connection can be established.

DS_TSAM_TX_ALREADY_BEGUN (-50233)

Description	This error occurs when a transaction has already been started on the TSAM connection.
Action	Contact a system administrator.

DS_TSAM_TX_NOT_BEGUN (-50234)

Description	This error occurs when a transaction has not yet been started on the TSAM connection.
Action	Contact a system administrator.

DS_TSAM2_NOT_CONNECTED (-50235)

Description	This error occurs when the connection to TSAM has not been established.
Action	Perhaps it is a connection problem. Contact a system administrator.

DS_TSAM2_CONN_FAILED (-50236)

Description	This error occurs when an attempt to connect to TSAM fails.
Action	Check if the connection to TSAM can be established.

DS_TSAM2_TX_ALREADY_BEGUN (-50237)

Description	This error occurs when a transaction has already been started on the TSAM connection.
Action	Contact a system administrator.

DS_TSAM2_TX_NOT_BEGUN (-50238)

Description	This error occurs when a transaction has not yet been started on the TSAM connection.
Action	Contact a system administrator.

DS_CONN_FAILED (-50251)

Description	This error occurs when the connection to TSAM has already been closed.
Action	Try to recover the connection at the start of the next transaction.

DS_NOBACKUP (-50252)

Description	This error occurs when back up information cannot be found.
Action	Contact a system administrator.

FC_MEMORY_ALLOC (-50301)

Description	This error occurs when system memory allocation fails.
Action	Check if the server process status is normal.

FC_INTERNAL (-50302)

Description	This error occurs when there is an internal system error.
Action	Refer to the error condition, error messages, and log information, and contact a system administrator.

FC_INVREQ (-50303)

Description	This error occurs due to an invalid request.
Action	Refer to the error condition, error messages, and log information, and contact a system administrator.

FC_NOT_INITIALIZED (-50304)

Description	This error occurs when a module has not been initialized.
Action	Check the server process status.

FC_FILE_DUPLICATED (-50305)

Description	This error occurs when trying to open a duplicate file.
Action	Check if there is any duplicate file name in OSD or RTSD.

NCS_ERROR (-50401)

Description	This error occurs when there is an unknown problem.
Action	Refer to the error log and contact a system administrator.

NCS_NOTFND_COUNTER (-50402)

Description	This error occurs when a requested counter name cannot be found.
Action	Check if the counter value is defined.

NCS_INVREQ_COUNTER (-50403)

Description	This error occurs when a counter value contains an invalid character.
Action	Check if the counter value is correctly specified.

NCS_INVREQ_VALUE (-50404)

Description	This error occurs when a counter value is less than the minimum value or more than the maximum value + 1.
Action	Check the named counter information using OFAdmin/OMC Manager to compare the value with the minimum and maximum values.

NCS_INVREQ_INCREMENT (-50405)

Description	This error occurs when an INCREMENT value is not valid. The value should be equal to or less than the maximum value - the minimum value + 1.
Action	Check the named counter information using OFAdmin/OMC Manager to check if the INCREMENT value is valid.

NCS_SUPPRESSED_RESET (-50406)

Description	This error occurs when a counter value has reached the specified maximum value.
--------------------	---

Action	Reset the counter using either a REWIND command or by specifying the WRAP option on the GET command.
---------------	--

NCS_SUPPRESSED_NOTATLIMIT (-50407)

Description	This error occurs when a counter value has not reached the maximum value + 1.
Action	Contact the TmaxSoft technical support team.

NCS_SUPPRESSED_MINMAX (-50408)

Description	This error occurs when a counter value is less than COMPAREMIN or greater than COMPAREMAX.
Action	Contact the TmaxSoft technical support team.

NCS_TPCALL (-50409)

Description	This error occurs when sending tpcall() to otpncsvr fails.
Action	Refer to the error log and contact a system administrator.

NCS_TPALLOC (-50410)

Description	This error occurs when system memory allocation fails.
Action	There might be a connection problem. Contact a system administrator.

NCS_DUPLICATED_COUNTER (-50411)

Description	This error occurs when requesting a counter which already exists.
Action	Check if a duplicated counter has been defined.

RACF_MEMORY_ALLOC (-50501)

Description	This error occurs when system memory allocation fails.
--------------------	--

Action	Check if the server process status is normal.
---------------	---

RACF_INTERNAL (-50502)

Description	This error occurs when there is an internal system error.
Action	Refer to the error condition, error messages, and log information, and contact a system administrator.

RACF_INVREQ (-50503)

Description	This error occurs due to an invalid request.
Action	Contact a system administrator referring to the details of the error conditions and error messages described in the log.

RACF_NOT_INITIALIZED (-50504)

Description	This error occurs when the module has not been initialized.
Action	Check that the server process status is normal.

RACF_AUTH_NOT_REQUIRED (-50505)

Description	This error occurs when authentication has not been requested.
Action	Contact the TmaxSoft technical support team.

REMOTE_MEMORY_ALLOC (-50601)

Description	This error occurs when system memory allocation fails.
Action	Check that the server process status is normal.

REMOTE_INVALID_TYPE (-50602)

Description	This error occurs due to an invalid internal or external call type.
Action	Contact the TmaxSoft technical support team.

REMOTE_INVALID_MSG (-50603)

Description	This error occurs when a mirror transaction cannot be called due to an invalid message type.
Action	This error occurs when there is a problem with the mirror protocol between the servers. Contact the TmaxSoft technical support team.

REMOTE_INFO_NOTFND (-50604)

Description	This error occurs when remote mirroring has not been processed in the system.
Action	Contact the TmaxSoft technical support team.

REMOTE_MIRROR_ABENDED (-50605)

Description	This error occurs when a mirror transaction abnormally terminates. (Tmax TPEV_SVCFail error occurred.)
Action	Refer to the log regarding the mirror transaction and then contact a system administrator.

REMOTE_COMMIT (-50606)

Description	This error occurs while committing a mirror transaction.
Action	Refer to the log and information of the server that was participating in the mirror transaction and then contact a system administrator.

REMOTE_ROLLBACK (-50607)

Description	This error occurs during the rollback of the mirror transaction.
Action	Refer to the log and information of the server that was participating in the mirror transaction and then contact a system administrator.

REMOTE_PROTOCOL (-50608)

Description	This error occurs while sending or receiving data from the mirror server.
--------------------	---

Action	Refer to the error log information, of the server that was participating in the mirror transaction, and contact a system administrator.
---------------	---

REMOTE_SYSID_NOTFND (-50611)

Description	This error occurs when the SYSID provided in the CONNECTION resource definition cannot be found.
Action	Check if the SYSID is defined in the CONNECTION resource definition.
Reference	Refer to the OpenFrame OSC Resource Definition Guide.

REMOTE_SYSID_NOTINSERVICE (-50612)

Description	This error occurs when the CONNECTION resource definition corresponding to a SYSID indicates that the connection is not for use.
Action	Revise the CONNECTION resource definition.
Reference	Refer to the OpenFrame OSC-related guides.

REMOTE_TPCONNECT (-50621)

Description	This error occurs while connecting to the mirror server.
Action	Refer to the error messages described in the log and then contact a system administrator.
Reference	Refer to the information about tpconnect() error contained in the Tmax Error Message Reference Guide.

REMOTE_TPSEND (-50622)

Description	This error occurs while sending data remotely.
Action	Refer to the error messages described in the log and then contact a system administrator.

REMOTE_TPRCV (-50623)

Description	This error occurs when receiving remote data.
--------------------	---

Action	Refer to the error messages described in the log and then contact a system administrator.
---------------	---

REMOTE_TPALLOC (-50624)

Description	This error occurs when system memory allocation fails.
Action	Refer to the error messages described in the log and then contact a system administrator.

REMOTE_INTERNAL (-50625)

Description	This error occurs when there is an internal system error.
Action	Refer to the error messages and error conditions described in the log and then contact a system administrator.

RTSD_MEMORY_ALLOC (-50701)

Description	This error occurs when system memory allocation fails.
Action	Check that the server process status is normal.

RTSD_INTERNAL (-50702)

Description	This error occurs when there is an internal system error.
Action	Contact a system administrator referring to the details of the error conditions and error messages described in the log.

RTSD_ALREADY_INITIALIZED (-50703)

Description	This error occurs when trying to initialize a module that is already initialized.
Action	Check that the server process status is normal.

RTSD_NOT_INITIALIZED (-50704)

Description	This error occurs when a module has not been initialized.
Action	Check that the server process status is normal.

RTSD_INVREQ (-50705)

Description	This error occurs due to an invalid request.
Action	Refer to the error conditions and error messages described in the log, then contact a system administrator.

RTSD_DUPLICATED (-50711)

Description	This error occurs when trying to store a duplicate resource definition.
Action	Check if there is a duplicate resource definition in OSD.

RTSD_NOT_FOUND (-50712)

Description	This error occurs when no resource definition or server information has been found.
Action	Contact the TmaxSoft technical support team.

RTSD_LENGERR (-50713)

Description	This error occurs when trying to read data with an invalid length.
Action	Contact the TmaxSoft technical support team.

RTSD_BROWSE_NOT_STARTED (-50714)

Description	This error occurs when trying to READNEXT without issuing the BROWSE command.
Action	Contact the TmaxSoft technical support team.

RTSD_BROWSE_ALREADY_STARTED (-50715)

Description	This error occurs when trying to issue a BROWSE command that is already in progress.
Action	Contact the TmaxSoft technical support team.

RTSD_INVALID_TYPE (-50716)

Description	This error occurs due to an invalid type request.
Action	Contact the TmaxSoft technical support team.

RTSD_STARTBR_INVALID_TYPE (-50717)

Description	This error occurs when an internal module has a problem.
Action	Contact a system administrator.

SPOOL_INVREQ (-50802)

Description	This error occurs due to an invalid request.
Action	Contact a system administrator regarding the details of the error conditions and error messages described in the log.

SPOOL_NOT_INITIALIZED (-50803)

Description	This error occurs when a module has not been initialized.
Action	Check if the server process status is normal.

SPOOL_ALREADY_INITIALIZED (-50804)

Description	This error occurs when trying to initialize a module that is already initialized.
Action	Check if the server process status is normal.

SPOOL_BATCH_NOT_INSTALLED (-50805)

Description	This error occurs when OpenFrame/Batch has not been installed.
Action	OpenFrame/Batch must be installed before using the SPOOL module.

SPOOL_TOKEN_ALREADY_IN_USE (-50806)

Description	This error occurs when managing the spool token.
Action	This error occurs when there are problems in the module. Contact the TmaxSoft technical support team.

TC_MEMORY_ALLOC (-50901)

Description	This error occurs when system memory allocation fails.
Action	Check if the server process status is normal.

TC_INVREQ (-50902)

Description	This error occurs due to an invalid request.
Action	Contact a system administrator referring to the details of the error conditions and error messages described in the log.

TC_RESOURCE_LOCKED (-50911)

Description	This error occurs when trying to use a resource that has been locked by another task.
Action	Suspend the process until the lock is released. If it is a system problem, release the lock in the directory specified in TC_PATH.
Reference	Refer to the "OpenFrame OSC Administrator's Guide."

TC_LOCK_NOTFND (-50912)

Description	This error occurs when a resource cannot be locked.
Action	Check if the server process status is normal.

TC_LOCKFILE_OPEN (-50913)

Description	This error occurs when opening a file that manages resource locks fails.
Action	Check if the path specified in TC_PATH is valid, or if another process accesses the path.

TC_LOCKFILE_LOCK (-50914)

Description	This error occurs when locking a file that manages resources fails.
Action	Check if the path specified in TC_PATH is valid, or if another process accesses the path.

TDQ_MEMORY_ALLOC (-51001)

Description	This error occurs when system memory allocation fails.
Action	Check if the server process status is normal.

TDQ_INTERNAL (-51002)

Description	This error occurs when there is an internal system error.
Action	Contact a system administrator referring to the details of the error conditions and error messages described in the log.

TDQ_INVREQ (-51003)

Description	This error occurs due to an invalid request.
Action	Contact a system administrator referring to the details of the error conditions and error messages described in the log.

TDQ_NOT_SUPPORTED (-51004)

Description	This error occurs when trying to use a function that is not supported.
Action	Check the logs.

TDQ_NOT_INITIALIZED (-51005)

Description	This error occurs when a module has not been initialized.
Action	Check if the server process status is normal.

TDQ_CONFIGURATION (-51006)

Description	This error occurs due to an invalid TDQ configuration.
Action	Check the logs to determine which option is not correctly configured.

TDQ_BATCH_NOT_INSTALLED (-51007)

Description	This error occurs when OpenFrame/Batch has not been installed.
Action	OpenFrame/Batch must be installed to use the TDQ Extra-partition.

TDQ_JOBID_INCOMPATIBLE (-51011)

Description	This error occurs when a specified JOBID format is invalid.
Action	Check if there is a problem with JOBID configuration.
Reference	Refer to the "OpenFrame OSC Administrator's Guide."

TDQ_QUEUE_NOTFND (-51012)

Description	This error occurs when a queue in the queue list cannot be found.
Action	Check if the TDQ resource definition exists in OSD or RTSD.

TDQ_ATI_INFO (-51021)

Description	This error occurs when ATI cannot be executed because the TRANSID item in the TDQ resource definition is empty.
Action	Specify the TRANSID item in the TDQ resource definition.

TDQ_TOKEN_ALREADY_EXISTS (-51031)

Description	This error occurs when a token already exists.
Action	Check if the server process status is normal.

TDQ_TOKEN_NOTFND (-51032)

Description	This error occurs when a token cannot be found.
Action	Check if the server process status is normal.

TDQ_OSCTLSVR_SOCKET (-51041)

Description	This error occurs when a socket() function call to connect to optlsvr fails.
Action	Analyze log information to determine cause of error.

TDQ_OSCTLSVR_SOCKET_CLOSED (-51042)

Description	This error occurs when a socket to optlsvr has been closed.
Action	Analyze log information to determine error reason.

TDQ_OSCTLSVR_SETSOCKOPT (-51043)

Description	This error occurs when sending setsockopt() to a socket that connects to optlsvr fails.
Action	Analyze log information to determine error reason.

TDQ_OSCTLSVR_CONNECT (-51044)

Description	This error occurs when connecting to osctlsvr fails.
Action	Analyze log information to determine error reason.

TDQ_OSCTLSVR_SEND (-51045)

Description	This error occurs when sending data to osctlsvr fails.
Action	Analyze log information to determine error reason.

TDQ_OSCTLSVR_RECV (-51046)

Description	This error occurs when receiving data from osctlsvr fails.
Action	Analyze log information to determine error reason.

TDQ_OSCTLSVR_RECV_MSG (-51047)

Description	This error occurs when there is a problem with data received from osctlsvr.
Action	Analyze log information to determine error reason.

TDQ_OSCTLSVR_CONN_CLOSED (-51048)

Description	This error occurs when the connection to osctlsvr has been closed.
Action	Analyze log information to determine error reason.

TDQ_OSCTLSVR_HOSTINFO (-51049)

Description	This error occurs when retrieving host information from the system fails.
Action	Analyze log information to determine reason for the error.

TSQ_MEMORY_ALLOC (-51101)

Description	This error occurs when system memory allocation fails.
Action	Check if the server process status is normal.

TSQ_INTERNAL (-51102)

Description	This error occurs when there is an internal system error.
--------------------	---

Action	Contact a system administrator regarding the details of the error conditions and error messages described in the log.
---------------	---

TSQ_NOT_SUPPORTED (-51103)

Description	This error occurs when trying to use a function that is not supported.
Action	Check the logs.

TSQ_NOT_INITIALIZED (-51104)

Description	This error occurs when a module has not been initialized.
Action	Check if the server process status is normal.

TSQ_ALREADY_INITIALIZED (-51105)

Description	This error occurs when trying to initialize a module already initialized.
Action	Check if the server process status is normal.

TSQ_CONFIGURATION (-51106)

Description	This error occurs when the TSQ configuration is invalid.
Action	Check if the QINFO_DSNAME or QDATA_DSNAME item is correctly specified.

TSQ_QUEUE_NOTFND (-51111)

Description	This error occurs when a queue that has already been generated cannot be found.
Action	Create the queue using the WRITEQ TS command or OFAdmin/OSC Manager.

TSQ_ITEM_NOTFND (-51112)

Description	This error occurs when an item does not exist in the queue.
Action	Contact the TmaxSoft technical support team.

TSQ_QUEUE_EXCEEDED (-51113)

Description	This error occurs when exceeding the maximum available number of items (32,767) that can be stored in a queue.
Action	Use the DELETEQ TS command or delete the queue using OFAdmin/OSC Manager.

TSQ_QINFO_INIT (-51121)

Description	This error occurs during the initialization of shared memory that manages queue information.
Action	Check if the server process status is normal.

TSQ_QINFO_NOTFND (-51122)

Description	This error occurs when a queue that has already been generated cannot be found.
Action	Create the queue using the WRITEQ TS command or OFAdmin/OSC Manager.

TSQ_QINFO_DUPLICATED (-51123)

Description	This error occurs when trying to generate a queue that already exists.
Action	Contact the TmaxSoft technical support team.

TSQ_QINFO_END_OF_LIST (-51124)

Description	This error occurs when no more queues exist.
Action	Contact the TmaxSoft technical support team.

ATI_INVALID_SHMKEY (-51201)

Description	This error occurs when a key value for the ATI shared memory is invalid.
Action	Check if the key value for the ATI shared memory is correctly specified in the configuration file.

Reference	Refer to the "OpenFrame OSC Administrator's Guide."
------------------	---

ATI_SHM_OPEN_FAILED (-51202)

Description	This error occurs when attempting to open the ATI shared memory.
Action	There might be a problem with the ATI shared memory specified by a key value in the configuration file. Check the shared memory using the system utility.

ATI_SHM_ATTACH_FAILED (-51203)

Description	This error occurs when failing to attach to the ATI shared memory.
Action	There might be a problem with the ATI shared memory specified by a key value in the configuration file. Check the shared memory using the system utility.

ATI_SHM_DETACH_FAILED (-51204)

Description	This error occurs when failing to detach the ATI shared memory.
Action	There might be a problem with the ATI shared memory specified by a key value in the configuration file. Check the shared memory using the system utility.

ATI_SHM_CLOSE_FAILED (-51205)

Description	This error occurs when closing the ATI shared memory fails.
Action	There might be a problem with the ATI shared memory specified by a key value in the configuration file. Check the shared memory using the system utility.

ATI_INVALID_CHANNEL_COUNT (-51206)

Description	This error occurs when the number of gateway channels specified within the ATI shared memory is invalid.
Action	Check if the number of gateway channels specified in the configuration file is correct.

ATI_INVALID_GATEWAY_COUNT (-51207)

Description	This error occurs when the number of gateways specified within the ATI shared memory is invalid.
Action	Check if the number of gateways specified in the configuration file is correct.

ATI_INSERT_FAILED (-51208)

Description	This error occurs when storing terminal information in the ATI shared memory fails.
Action	Contact a system administrator regarding the details of the error conditions and error messages described in the log.

ATI_DELETE_FAILED (-51209)

Description	This error occurs when attempting to delete terminal information from the ATI shared memory fails.
Action	Contact a system administrator regarding the details of the error conditions and error messages described in the log.

ATI_NOT_FOUND (-51210)

Description	This error occurs when terminal information in the ATI shared memory cannot be found.
Action	Contact the TmaxSoft technical support team.

ATI_NOT_SUPPLIED (-51211)

Description	This error occurs when the requested ATI information is incorrect.
Action	Contact the TmaxSoft technical support team.

CI_SYNTAX (-51301)

Description	This error occurs due to an incorrect EXEC command syntax.
--------------------	--

Action	Correct the EXEC command syntax and then try again.
---------------	---

CI_SYMTABNUM_EXCEEDED (-51302)

Description	This error occurs when the maximum number of variables that can be stored in the symbol table has been exceeded.
Action	Contact a system administrator.

CI_CICSSTMT_NULL (-51303)

Description	This error occurs when the EXEC command information cannot be found.
Action	Contact a system administrator.

CI_EIBLK_NULL (-51304)

Description	This error occurs when EIB information cannot be found.
Action	Contact a system administrator.

CI_ARGNUM_NOTMATCH (-51305)

Description	This error occurs when internal variable information is incorrect.
Action	Contact a system administrator.

CI_OPTION_NOTEXIST (-51306)

Description	This error occurs when option information for the EXEC command cannot be found.
Action	Check the options specified for the EXEC command and try again.

CI_GET_VARPTR_NOTFOUND (-51307)

Description	This error occurs when variable information in the symbol table cannot be found.
Action	Contact a system administrator.

CI_GET_LENVAL_NOTFOUND (-51308)

Description	This error occurs when length information in the symbol table cannot be found.
Action	Contact a system administrator.

CI_GET_VARPTR_OPTVAR_NOTMATCH (-51309)

Description	This error occurs when variable information in the option information of the symbol table cannot be found.
Action	Contact a system administrator.

CI_GET_LENVAL_OPTVAR_NOTMATCH (-51310)

Description	This error occurs when length information in the option information of the symbol table cannot be found.
Action	Contact a system administrator.

CI_YYPARSE_FAIL (-51311)

Description	This error occurs when there is an EXEC command parsing error.
Action	Contact the TmaxSoft technical support team.

CI_CICSCALL_NOTIMPL (-51312)

Description	This error occurs when trying to use a command that is not supported.
Action	Contact the TmaxSoft technical support team.

EDF_SYMTAB_OVERFLOW (-51401)

Description	This error occurs when the number of command parameters passed is greater than the maximum number of parameters that can be recorded in the symbol table.
Action	Contact the TmaxSoft technical support team.

EDF_EDFSTMT_NULL (-51402)

Description	This error occurs when the EXEC command syntax string is set to null.
Action	Contact a system administrator referring to the details of the error conditions and error messages described in the log.

EDF_EIBLK_NULL (-51403)

Description	This error occurs when EIB (Execution Interface Block) is set to null.
Action	Contact the TmaxSoft technical support team.
Reference	EIB is capable of connecting to an OSC application server and to an application program.

EDF_EDFSTMT_INVALID (-51404)

Description	This error occurs when the EXEC command does not end with END-EXEC.
Action	Check the EXEC command and try again.

TERM_MEMORY_ALLOC (-51501)

Description	This error occurs when system memory allocation fails.
Action	Check if the server process status is normal.

TERM_INVREQ (-51502)

Description	This error occurs due to an invalid request.
Action	Contact a system administrator referring to the details of the error conditions and error messages described in the log.

TERM_INTERNAL (-51503)

Description	This error occurs when there is an internal system error.
Action	Contact a system administrator referring to the details of the error conditions and error messages described in the log.

TERM_COMMUNICATION (-51504)

Description	This error occurs when communicating with OFGateway.
Action	Check relevant files and log messages and then contact an administrator.

TERM_TCT_NOTFND (-51511)

Description	This error occurs when information about the terminal corresponding to the Terminal ID cannot be found.
Action	Contact the TmaxSoft technical support team.

TERM_TCT_ENQBUSY (-51512)

Description	This error occurs when trying to use terminal information that is already used in another application.
Action	Contact the TmaxSoft technical support team.

TERM_TCT_TRQUEUE_EMPTY (-51513)

Description	This error occurs when a transaction for which the terminal is waiting does not exist.
Action	Contact the TmaxSoft technical support team.

TERM_TCT_DUPLICATED (-51514)

Description	This error occurs when trying to use a terminal that is already registered.
Action	Contact the TmaxSoft technical support team.

TERM_TCT_OWNED (-51515)

Description	This error occurs when trying to use a terminal that is already locked by another server process.
Action	Contact the TmaxSoft technical support team.

TERM_NO_TERMINAL_ATTACHED (-51516)

Description	This error occurs when a terminal is already attached to another server process.
Action	Contact the TmaxSoft technical support team.

TERM_TERMINAL_DISCONNECTED (-51517)

Description	This error occurs when a terminal is disconnected.
Action	Check the status of the terminal.

CHANNEL_CONTAINER_NOT_EXIST (-51602)

Description	This error occurs when trying to use a container which does not exist.
Action	Check the name of the container and try again.

CHANNEL_CHANNEL_RETURN_ERROR (-51603)

Description	This error occurs when the channel requested from a RETURN command does not exist.
Action	Contact a system administrator referring to the details of the error conditions and error messages described in the log.

CHANNEL_CHANNEL_CREATE_ERROR (-51604)

Description	This error occurs while creating a channel.
Action	Contact a system administrator referring to the details of the error conditions and error messages described in the log.

CHANNEL_INVALID_XCTL (-51605)

Description	This error occurs when the channel requested from an XCTL command is not valid.
Action	Contact a system administrator referring to the details of the error conditions and error messages described in the log.

SD_INVALID_INIT_TYPE (-51701)

Description	This error occurs when a specified initialization value is incorrect.
Action	This is an internal module error problem. Contact the TmaxSoft technical support team.

SD_INVALID_RESOURCE_TYPE (-51702)

Description	This error occurs when trying to request an invalid (or unsupported) type of resource.
Action	This error occurs only when there is a problem with an internal module or OFAdmin. Contact the TmaxSoft technical support team.

SD_INVALID_REQUEST (-51703)

Description	This error occurs when there is an internal system error.
Action	Contact the TmaxSoft technical support team with details of the error conditions and the error message described in the log.

SD_BUFFER_LIMIT_EXCEEDED (-51704)

Description	This error occurs when the maximum possible buffer size is exceeded.
Action	This is caused by an internal module error. Contact the TmaxSoft technical support team.

SD_NOT_CORRECT_TYPE (-51705)

Description	This error occurs when requesting an invalid (or unsupported) type.
Action	This error occurs only when there is a problem with an internal module or OFAdmin. Contact the TmaxSoft technical support team.

SD_NO_XA_STARTED (-51711)

Description	This error occurs when a transaction has not been successfully initialized.
--------------------	---

Action	This is caused by an internal module error problem. Contact the TmaxSoft technical support team.
---------------	--

SD_MALLOC_FAIL (-51721)

Description	This error occurs when system memory allocation fails.
Action	Check the server process status.

CONF_CONFIG_FILE_OPEN (-51801)

Description	This error occurs when there is a failure while attempting to open an online configuration.
Action	Check that the configuration file exists in the OpenFrame configuration directory.

CONF_NO_ENV_OPENFRAME_HOME (-51802)

Description	This error occurs when the environment variable \$(OPENFRAME_HOME) is not set.
Action	Check that the environment variable \$(OPENFRAME_HOME) is set.

CONF_INVALID_PARAMETER (-51803)

Description	This error occurs when a parameter is set to null or to an invalid value.
Action	This is caused by an internal module error. Contact the TmaxSoft technical support team.

CONF_NOT_FOUND (-51804)

Description	This error occurs when a section or key value cannot be found.
Action	Check that the section and key value exist in the configuration file.

CONF_MALLOC_FAIL (-51811)

Description	This error occurs when system memory allocation fails.
Action	Check the server process status.

LOG_CMDFILE_OPEN (-51901)

Description	This error occurs when opening the operation log file fails.
Action	Check that the OpenFrame operation log directory exists or its permissions.

LOG_CMDFILE_NOT_OPEN (-51902)

Description	This error occurs when the operation log file is not opened.
Action	This is caused by an internal module error. Contact the TmaxSoft technical support team.

LOG_CMDFILE_ALREADY_OPEN (-51903)

Description	This error occurs when the operation log file is already open.
Action	This is caused by an internal module error. Contact the TmaxSoft technical support team.

LOG_OPENFRAME_HOME_NOT_SET (-51904)

Description	This error occurs when the environment variable \$(OPENFRAME_HOME) is not set.
Action	Check that the environment variable \$(OPENFRAME_HOME) is set.

PREP_MEMORY_ALLOC (-52001)

Description	This error occurs when system memory allocation fails.
Action	Check that there is enough available memory in the system.

PREP_PREPROCESS (-52002)

Description	This error occurs in the parser.
Action	This is caused during parsing. Check relevant files and log messages and then contact an administrator.

PREP_PARSE (-52003)

Description	This error occurs in the parser.
Action	This is caused during parsing. Check relevant files and log messages and then contact an administrator.

PREP_COMMAND_NOTFND (-52004)

Description	Unsupported command.
Action	This is caused during parsing. Check relevant files and log messages and then contact an administrator.

PREP_OPTION_NOTFND (-52005)

Description	Unsupported command.
Action	This is caused during parsing. Check relevant files and log messages and then contact an administrator.

PREP_INTERNAL (-52006)

Description	Internal error.
Action	Check relevant files and log messages and then contact an administrator.

ECPI_INTERNAL (-52101)

Description	Internal error.
Action	Check relevant files and log messages and then contact an administrator.

MSC_MEMORY_ALLOC (-52301)

Description	This error occurs when system memory allocation fails.
Action	Check relevant files and log messages and then contact an administrator.

MSC_FILE_OPEN (-52302)

Description	This error occurs while opening a file.
Action	Check that the file name is correct.

MSC_FILE_READ (-52303)

Description	This error occurs while reading a file.
Action	Check relevant files and log messages and then contact an administrator.

MSC_PHYSICALMAP_LENGTH (-52311)

Description	This error occurs when the length of the physical file map is not correct.
Action	Check relevant files and log messages and then contact an administrator.

MSC_OPENFRAME_HOME_NOT_SET (-52312)

Description	This error occurs when the \$(OPENFRAME_HOME) environment variable is not specified.
Action	Check that the \$(OPENFRAME_HOME) environment variable is specified.

BMS_MEMORY_ALLOC (-52401)

Description	This error occurs when system memory allocation fails.
Action	Check that there is enough available memory in the system.

BMS_NOMAP (-52411)

Description	This error occurs when there is no map name in the internal structure of BMS.
Action	This error occurs when an internal module has a problem. Contact an administrator.

BMS_MAP_NOTFND (-52412)

Description	This error occurs when the map is not loaded in memory.
Action	Load the map in memory by rebooting the region or by using the mscmapupdate tool, and then try again.

BMS_INTERNAL (-52413)

Description	Internal error.
Action	This error occurs when an internal module has a problem. Contact an administrator.

BMS_INVALID_MAPSIZE (-52414)

Description	Internal error.
Action	This error occurs when an internal module has a problem. Contact an administrator.

MEMORY_ALLOC (-52501)

Description	This error occurs when system memory allocation fails.
Action	Check that there is enough available memory in the system.

SHM_INVREQ (-52601)

Description	Internal error.
Action	This error occurs when an internal module has a problem. Contact an administrator.

SHM_CREATE (-52602)

Description	This error occurs when attempting to access the shared memory of a specified key that has failed.
Action	Contact an administrator.

SHM_DESTROY (-52603)

Description	This error occurs when attempting to delete the shared memory of a specified key that has failed.
Action	Contact an administrator

SHM_INIT (-52604)

Description	This error occurs when attempting to attach to the shared memory of a specified key that has failed.
Action	Contact an administrator

SHM_ATTACH (-52606)

Description	This error occurs when attempting to attach to the shared memory of a specified key that has failed.
Action	Contact an administrator

SHM_DETACH (-52607)

Description	This error occurs when attempting to detach from the shared memory of a specified key that has failed.
Action	Contact an administrator

SHM_PROTECT (-52608)

Description	This error occurs when attempting to specify memory protection.
Action	Contact an administrator.

SHM_UNPROTECT (-52609)

Description	This error occurs when attempting to release memory protection that has failed.
Action	Contact an administrator.

SHM_TSQ_NOT_INITED (-52610)

Description	This error occurs if TSQ attempts to reference the shared memory when the related resources are not initialized.
Action	This error occurs when an internal module has a problem. Contact an administrator.

DB_MEMORY_ALLOC (-52701)

Description	This error occurs when system memory allocation fails.
Action	Check that there is enough available memory in the system.

DB_DUPREC (-52702)

Description	This error occurs when attempting to add records that have the same key as a database.
Action	This error occurs when an internal module has a problem. Contact an administrator.

DB_NOTFND (-52703)

Description	This error occurs when the record does not exist in the database.
Action	This error occurs when an internal module has a problem. Contact an administrator.

DB LENGERR (-52704)

Description	Internal module error.
--------------------	------------------------

Action	This error occurs when an internal module has a problem. Contact an administrator.
---------------	--

DB_INVALID_BROWSER (-52705)

Description	Internal module error.
Action	This error occurs when an internal module has a problem. Contact an administrator.

DB_MAX_BROWSER (-52706)

Description	Internal module error.
Action	This error occurs when an internal module has a problem. Contact an administrator.

DB_TCACHE_INTERNAL (-52707)

Description	Internal module error.
Action	This error occurs when an internal module has a problem. Contact the administrator.

DB_TIBERO_INTERNAL (-52708)

Description	Internal module error.
Action	This error occurs when an internal module has a problem. Contact an administrator.

DB_TIBERO_INTERNAL2 (-52709)

Description	Internal module error.
Action	This error occurs when an internal module has a problem. Contact an administrator.

CMDPSR_SYNTAX (-52805)

Description	This error occurs when the syntax of a CEMT command is incorrect.
Action	Check the syntax error using the log message.

CTRL_CONFIG_SHMKEY (-52901)

Description	This error occurs when the key value of SYS shared memory is invalid.
Action	Check that the SYS_SHMKEY value of the region configuration file is specified correctly.

CTRL_CONFIG_SHMSIZE (-52902)

Description	This error occurs when the size of SYS shared memory is invalid.
Action	Check that the SYS_SHMKEY value of the region configuration file is specified correctly.

CTRL_MEMM_CREATE (-52903)

Description	Shared memory management module (buddy allocator) error.
Action	This error occurs when an internal module has a problem. Contact an administrator.

CTRL_MEMM_INIT (-52904)

Description	Shared memory management module (buddy allocator).
Action	This error occurs when an internal module has a problem. Contact an administrator.

CTRL_MEMM_INFO (-52905)

Description	Shared memory management module (buddy allocator).
Action	This error occurs when an internal module has a problem. Contact an administrator.

CTRL_RTSD_CREATE (-52906)

Description	This error occurs when attempting to create an RTSD table.
Action	This error can occur when a region has been abnormally terminated. Restart the region by using the option that initializes the resource during oscboot.

CTRL_CONF_TTREE_CREATE (-52907)

Description	This error occurs when allocating memory in the TTREE memory management module.
Action	This error most likely occurs due to insufficient shared memory space. Increase the size of the shared memory in the SYS area.

CTRL_SYSINFO_TTREE_CREATE (-52908)

Description	This error occurs when allocating memory in the TTREE memory management module.
Action	This error most likely occurs due to insufficient shared memory space. Increase the size of the shared memory in the SYS area.

CTRL_EZA_TTREE_CREATE (-52909)

Description	This error occurs when allocating memory in the TTREE memory management module.
Action	This error most likely occurs due to insufficient shared memory space. Increase the size of the shared memory in the SYS area.

CTRL_CPT_TTREE_CREATE (-52910)

Description	This error occurs when allocating memory in the TTREE memory management module.
Action	This error most likely occurs due to insufficient shared memory space. Increase the size of the shared memory in the SYS area.

CTRL_APPC_TTREE_CREATE (-52911)

Description	This error occurs when allocating memory in the TTREE memory management module.
Action	This error most likely occurs due to insufficient shared memory space. Increase the size of the shared memory in the SYS area.

CTRL_MAP_TTREE_CREATE (-52912)

Description	This error occurs when allocating memory in the TTREE memory management module.
Action	This error most likely occurs due to insufficient shared memory space. Increase the size of the shared memory in the SYS area.

CTRL_DCC_TTREE_CREATE (-52913)

Description	This error occurs when allocating memory in the TTREE memory management module.
Action	This error most likely occurs due to insufficient shared memory space. Increase the size of the shared memory in the SYS area.

CTRL_INVALID_REGION_NAME (-52914)

Description	This error occurs when a specified region name is not a valid character string.
Action	This error occurs when an internal module has a problem. Contact an administrator with the related log file.

CTRL_OPENFRAME_HOME_NOT_SET (-52915)

Description	This error occurs when the \$(OPENFRAME_HOME) environment variable is not specified.
Action	Check that the \$(OPENFRAME_HOME) environment variable is specified.

CTRL_CONFIG_DSNAME (-52916)

Description	This error occurs when the DSNAME item of a [SD] section is not specified in the region configuration file.
Action	Check that DSNAME of the [SD] section is specified in the region configuration file.

CTRL_CONFIG_GRPLIST (-52917)

Description	This error occurs when the GRPLIST item of a [SD] section is not specified in the region configuration file .
Action	Check that GRPLIST of the [SD] section is specified in the region configuration file.

CTRL_SD_INIT (-52918)

Description	This error occurs while loading a SD dataset of a region.
Action	Check that the DSNAME of a [SD] section is correctly specified in the region configuration if this error occurs when dataset is not found. Other types of errors occur due to a problem with an internal module. Contact an administrator with the log file.

CTRL_GRPLIST_LENGTH (-52919)

Description	This error occurs when the length of the group list specified in the GRPLIST of the [SD] section in the region configuration file.
Action	Check that the group list name is correctly specified.

CTRL_GRPLIST_COUNT (-52920)

Description	This error occurs when 5 or group lists are specified in a GRPLIST of a [SD] section of the region configuration file.
Action	Up to 4 group lists are allowed to set.

CTRL_DB_CREATE_TABLE_TRAN2SVC (-52928)

Description	This error occurs when creating a TRAN2SVC table during a region startup.
Action	This may occur when a region has been abnormally terminated. Restart the region by using the option that initializes resources at oscboot.

CTRL_DB_CREATE_TABLE_SVRINFO (-52929)

Description	This error occurs when creating an SVRINFO table during a region startup.
Action	This may occur when a region has been abnormally terminated. Restart the region by using the option that initializes resources at oscboot.

CTRL_DB_CREATE_TABLE_UPDATE_FILE (-52930)

Description	This error occurs when creating an UPDATE_FILE table during a region startup.
Action	This may occur when a region has been abnormally terminated. Restart the region by using the option that initializes resources at oscboot.

CTRL_DB_CREATE_TABLE_UPDATE_TDQ (-52931)

Description	This error occurs when creating an UPDATE_TDQ table during a region startup.
Action	This may occur when a region has been abnormally terminated. Restart the region by using the option that initializes resources at oscboot.

CTRL_DB_CREATE_TABLE_CONFIG (-52932)

Description	This error occurs when creating a CONFIG table during a region startup.
Action	This may occur when a region has been abnormally terminated. Restart the region by using the option that initializes resources at oscboot.

CTRL_DB_CREATE_TABLE_SACEE (-52933)

Description	This error occurs when creating a SACEE table during a region startup.
--------------------	--

Action	This may occur when a region has been abnormally terminated. Restart the region by using the option that initializes resources at oscboot.
---------------	--

CTRL_DB_CREATE_TABLE_CWA (-52934)

Description	This error occurs when creating a CWA table during a region startup.
Action	This may occur when a region has been abnormally terminated. Restart the region by using the option that initializes resources at oscboot.

CTRL_DB_INSERT_CWA (-52935)

Description	This error occurs when initializing data of a CWA table during a region startup.
Action	This may occur when a region has been abnormally terminated. Restart the region by using the option that initializes resources at oscboot.

CTRL_DB_STARTBR_TRAN (-52936)

Description	This error occurs when browsing a TRANSACTION table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_INSERT_TRAN2SVC (-52937)

Description	This error occurs when inserting data into a TRAN2SVC table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_UPDATE_TRAN2SVC (-52938)

Description	This error occurs when updating data in a TRAN2SVC table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_INSERT_CONFIG (-52939)

Description	This error occurs when inserting data into a CONFIG table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_UPDATE_CONFIG (-52940)

Description	This error occurs when updating data in a CONFIG table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact the administrator.

CTRL_SD_READ_LIST (-52941)

Description	This error occurs when the list of groups specified in the GRPLIST of a [SD] section is not defined in the region configuration file.
Action	Check that the list of groups is correctly specified in the region configuration file.

CTRL_SD_STARTBR_FILE (-52942)

Description	This error occurs when browsing a FILE resource in the SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_READNEXT_FILE (-52943)

Description	This error occurs when executing READNEXT for the records of the FILE resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_ENDBR_FILE (-52944)

Description	This error occurs when executing ENDBR for the records of the FILE resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_UPDATE_FILE (-52945)

Description	This error occurs when updating the records of a FILE table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_INSERT_FILE (-52946)

Description	This error occurs when inserting records to a FILE table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_STARTBR_TDQ (-52947)

Description	This error occurs when browsing a TDQ resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_READNEXT_TDQ (-52948)

Description	This error occurs when attempting to READNEXT the records of a TDQ resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_ENDBR_TDQ (-52949)

Description	This error occurs upon the completion of browsing of a TDQ resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_UPDATE_TDQ (-52950)

Description	This error occurs when updating the records of a TDQ table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_INSERT_TDQ (-52951)

Description	This error occurs when inserting records to a TDQ table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_STARTBR_TERMINAL (-52952)

Description	This error occurs when starting the browsing of a TERMINAL resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_READ_TERMINAL (-52953)

Description	This error occurs when reading the records of a TERMINAL resource from a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_ENDBR_TERMINAL (-52954)

Description	This error occurs upon the completion of browsing of a TERMINAL resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_UPDATE_TERMINAL (-52955)

Description	This error occurs while updating the records of a TERMINAL table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_INSERT_TERMINAL (-52956)

Description	This error occurs when inserting records to a TERMINAL table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_UPDATE_NETNAME (-52957)

Description	This error occurs when updating the records of a NETNAME table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_INSERT_NETNAME (-52958)

Description	This error occurs when inserting records to a NETNAME table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_STARTBR_CONNECTION (-52959)

Description	This error occurs when starting the browsing of a CONNECTION resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_READNEXT_CONNECTION (-52960)

Description	This error occurs when attempting to READNEXT the records of a CONNECTION resource in the SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_ENDBR_CONNECTION (-52961)

Description	This error occurs when completing the browsing of CONNECTION resource in the SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_UPDATE_CONNECTION (-52962)

Description	This error occurs when updating the records of a CONNECTION table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_INSERT_CONNECTION (-52963)

Description	This error occurs when inserting records to a CONNECTION table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_STARTBR_TSMODEL (-52964)

Description	This error occurs upon the completion of browsing of a TSMODEL resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_READNEXT_TSMODEL (-52965)

Description	This error occurs when attempting to READNEXT the records of a TSMODEL resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_ENDBR_TSMODEL (-52966)

Description	This error occurs upon the completion of browsing of a TSMODEL resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_UPDATE_TSMODEL (-52967)

Description	This error occurs when updating the records of a TSMODEL table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_INSERT_TSMODEL (-52968)

Description	This error occurs when inserting records to a TSMODEL table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_STARTBR_PROGRAM (-52969)

Description	This error occurs upon the completion of browsing of a PROGRAM resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_READNEXT_PROGRAM (-52970)

Description	This error occurs when attempting to READNEXT the records of a PROGRAM resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_ENDBR_PROGRAM (-52971)

Description	This error occurs upon the completion of browsing of a PROGRAM resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_UPDATE_PROGRAM (-52972)

Description	This error occurs when updating the records of a PROGRAM table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_INSERT_PROGRAM (-52973)

Description	This error occurs when inserting records to a PROGRAM table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_STARTBR_TRAN (-52974)

Description	This error occurs when starting the browsing of a TRANSACTION resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_READNEXT_TRAN (-52975)

Description	This error occurs when trying to READNEXT the records of a TRANSACTION resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_ENDBR_TRAN (-52976)

Description	This error occurs upon the completion of browsing of a TRANSACTION resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_UPDATE_TRAN (-52977)

Description	This error occurs when updating the records of a TRANSACTION table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_INSERT_TRAN (-52978)

Description	This error occurs when inserting records to a TRANSACTION table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_STARTBR_JOURNALMODEL (-52979)

Description	This error occurs when starting the browsing of a JOURNALMODEL resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_READNEXT_JOURNALMODEL (-52980)

Description	This error occurs when attempting to READNEXT the records of a JOURNALMODEL resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_ENDBR_JOURNALMODEL (-52981)

Description	This error occurs upon the completion of browsing of a JOURNALMODEL resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_UPDATE_JOURNALMODEL (-52982)

Description	This error occurs when updating the records of a JOURNALMODEL table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_INSERT_JOURNALMODEL (-52983)

Description	This error occurs when inserting records to a JOURNALMODEL table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_STARTBR_PIPELINE (-52984)

Description	This error occurs when starting the browsing of a PIPELINE resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_READNEXT_PIPELINE (-52985)

Description	This error occurs when attempting to READNEXT the records of a PIPELINE resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_ENDBR_PIPELINE (-52986)

Description	This error occurs upon the completion of browsing of a PIPELINE resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_UPDATE_PIPELINE (-52987)

Description	This error occurs when updating the records of a PIPELINE table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_INSERT_PIPELINE (-52988)

Description	This error occurs when inserting records to a PIPELINE table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_STARTBR_WEBSERVICE (-52989)

Description	This error occurs when starting the browsing of a WEBSERVICE resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_READNEXT_WEBSERVICE (-52990)

Description	This error occurs when attempting to READNEXT the records of a WEBSERVICE resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_ENDBR_WEBSERVICE (-52991)

Description	This error occurs when completing the browsing of a WEBSERVICE resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_UPDATE_WEBSERVICE (-52992)

Description	This error occurs when updating the records of a WEBSERVICE table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_INSERT_WEBSERVICE (-52993)

Description	This error occurs when inserting records to a WEBSERVICE table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_STARTBR_TRANCLASS (-52994)

Description	This error occurs when starting the browsing of a TRANCLASS resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_READNEXT_TRANCLASS (-52995)

Description	This error occurs when attempting to READNEXT the records of a TRANCLASS resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_ENDBR_TRANCLASS (-52996)

Description	This error occurs upon the completion of browsing of a TRANCLASS resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_UPDATE_TRANCLASS (-52997)

Description	This error occurs when updating the records of a TRANCLASS table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_DB_INSERT_TRANCLASS (-52998)

Description	This error occurs when inserting records to a TRANSCCLASS table.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_SD_READNEXT_TERMINAL (-52999)

Description	This error occurs when attempting to READNEXT the records of a TERMINAL resource in a SD dataset.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_USR_CONFIG_SHMKEY (-53000)

Description	This error occurs when the shared memory key of an USR area is not valid.
Action	Check the USR_SHMKEY configuration of the [GENERAL] section in the region configuration file.

CTRL_USR_CONFIG_SHMSIZE (-53001)

Description	This error occurs when the shared memory size of an USR area is not valid.
Action	Check the USR_SHMKEY configuration of the [GENERAL] section in the region configuration file.

CTRL_USR_ATTACH_SHM (-53003)

Description	This error occurs when attempting to attach to the shared memory that corresponds to the shared memory key of an USR area fails.
Action	Contact a system administrator.

CTRL_USR_MEMM3_CREATE (-53004)

Description	Shared memory management module (buddy allocator) error.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_USR_MEMM3_INIT (-53005)

Description	Shared memory management module (buddy allocator) error.
--------------------	--

Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.
---------------	---

CTRL_USR_MEMM3_INFO (-53006)

Description	Shared memory management module (buddy allocator) error.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_USR_TTREE3_CREATE (-53007)

Description	Shared memory management module error.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

CTRL_USR_SHM_NOT_EXIST (-53008)

Description	This error occurs when deleting the shared memory of an USR area fails.
Action	Contact a system administrator.

CTRL_USR_SHMGET (-53009)

Description	This error occurs when accessing to the shared memory of an USR area fails.
Action	Contact a system administrator.

CTRL_USR_SHMCTL (-53010)

Description	This error occurs when deleting the shared memory of an USR area fails.
Action	Contact a system administrator.

CTRL_SYS_CONF_LOAD_OPENFRAME_HOME_NOT_SET (-53011)

Description	This error occurs when the environment variable \$(OPENFRAME_HOME) is not set.
Action	Check that the environment variable \$(OPENFRAME_HOME) is set.

CTRL_SYS_CONF_LOAD_FOPEN (-53012)

Description	This error occurs when opening an online configuration file fails.
Action	Check that the file displayed in the log exists.

CTRL_SYS_CONF_LOAD_TTREE3_REWRITE (-53013)

Description	This error occurs when allocating memory in a TTREE memory management module.
Action	Since this most likely occurs due to insufficient space of the shared memory, increase the size of the shared memory in the SYS area.

CTRL_SYS_CONF_LOAD_TTREE3_INSERT (-53014)

Description	This error occurs when allocating memory in a TTREE memory management module.
Action	Since this most likely occurs due to insufficient space of the shared memory, increase the size of the shared memory in the SYS area.

CTRL_SYS_LOAD_DCC_READ (-53015)

Description	This error occurs when reading a DCC file fails.
Action	Check that the DCC file exists.

CTRL_SYS_LOAD_DCC_TTREE3_INSERT (-53016)

Description	This error occurs when allocating memory in a TTREE memory management module.
Action	Since this most likely occurs due to insufficient space of the shared memory, increase the size of the shared memory in the SYS area.

CTRL_USR_CREATE_SHM (-53017)

Description	This error occurs when the shared memory of an USR area is not accessible.
Action	Contact a system administrator.

NOT_FOUND (-54999)

Description	This error occurs when searched data is not found.
Action	This error occurs when an internal module has a problem. Refer to the error log and contact an administrator.

Index

Symbols

- 10001, 89
- 10002, 90
- 10003, 90
- 10004, 90
- 10005, 90
- 1001, 12
- 1002, 12
- 1003, 12
- 1004, 12
- 1005, 13
- 1006, 13
- 1007, 13
- 1008, 13
- 1009, 14
- 1010, 14
- 10101, 90
- 10102, 90
- 10103, 91
- 10104, 91
- 10105, 91
- 10106, 91
- 10107, 91
- 10108, 91
- 10109, 91
- 1011, 14
- 10110, 92
- 10111, 92
- 10112, 92
- 10113, 92
- 10114, 92
- 1012, 14
- 1013, 14
- 1015, 15
- 1016, 15
- 10201, 93
- 10202, 93
- 10203, 93
- 10204, 93
- 11001, 93
- 11002, 94
- 11009, 94
- 1101, 15
- 1102, 15
- 1103, 16
- 1104, 16
- 1105, 16
- 1106, 16
- 1107, 17
- 1108, 17
- 11101, 94
- 11102, 94
- 11103, 94
- 11104, 95
- 11105, 95
- 11106, 95
- 11201, 95
- 11202, 95
- 11203, 96
- 11204, 96
- 11205, 96
- 12001, 96
- 12002, 96
- 12003, 97
- 12009, 97
- 1201, 17
- 1202, 17
- 1203, 18
- 1204, 18
- 1205, 18
- 1206, 18
- 1207, 19
- 12101, 97
- 12102, 97
- 12103, 97
- 12105, 97
- 12106, 98
- 12107, 98
- 12201, 98

-12202, 98	-15006, 103
-12203, 98	-15007, 104
-12901, 98	-15008, 104
-12902, 98	-15009, 104
-12903, 99	-1501, 22
-12904, 99	-15010, 104
-12905, 99	-1502, 22
-13001, 99	-1503, 22
-13002, 99	-16001, 104
-1301, 19	-16002, 105
-13011, 100	-16003, 105
-13012, 100	-17003, 105
-13013, 100	-17004, 105
-13014, 100	-17005, 105
-13015, 100	-17006, 106
-13016, 100	-17007, 106
-13017, 101	-17008, 106
-13018, 101	-17009, 106
-1302, 19	-17010, 107
-13021, 101	-17011, 107
-13022, 101	-17012, 108
-13023, 101	-17014, 108
-13024, 101	-17015, 108
-13025, 102	-17101, 108
-1303, 19	-17102, 108
-1304, 19	-17103, 109
-1306, 20	-17104, 109
-13101, 102	-17105, 109
-13102, 102	-17109, 109
-13103, 102	-17110, 109
-13104, 102	-17111, 110
-1317, 20	-17113, 110
-1325, 20	-17114, 110
-1401, 20	-17201, 110
-1402, 21	-17202, 110
-1403, 21	-17203, 110
-1405, 21	-17204, 111
-1406, 21	-17205, 111
-15001, 103	-17208, 111
-15002, 103	-17209, 111
-15003, 103	-17210, 111
-15004, 103	-17211, 111
-15005, 103	-17212, 112

-17213, 112	-18901, 121
-17214, 112	-18902, 121
-17801, 112	-18903, 121
-17802, 112	-18904, 121
-17803, 113	-18905, 122
-17804, 113	-18906, 122
-17901, 113	-1901, 22
-17903, 113	-1902, 23
-17904, 113	-1903, 23
-17905, 113	-1904, 23
-18003, 114	-1905, 23
-18004, 114	-1906, 23
-18005, 114	-1907, 24
-18006, 114	-1908, 24
-18007, 114	-1909, 24
-18008, 115	-1910, 24
-18009, 115	-20001, 122
-18010, 115	-20002, 122
-18011, 116	-20003, 122
-18012, 116	-20004, 123
-18101, 117	-20005, 123
-18102, 117	-20006, 123
-18103, 117	-20007, 123
-18104, 117	-20008, 123
-18105, 117	-20009, 123
-18109, 118	-2001, 25
-18110, 118	-20010, 123
-18111, 118	-2002, 25
-18113, 118	-2003, 25
-18114, 118	-2004, 25
-18201, 119	-2005, 26
-18202, 119	-2006, 26
-18203, 119	-2008, 26
-18204, 119	-2009, 26
-18205, 119	-2010, 27
-18208, 119	-20101, 124
-18209, 120	-20102, 124
-18210, 120	-20103, 124
-18211, 120	-20104, 124
-18212, 120	-20105, 124
-18213, 120	-20106, 124
-18214, 121	-20107, 125
-18301, 121	-20108, 125

-20109, 125	-20712, 131
-2011, 27	-20900, 131
-2012, 27	-20901, 131
-2013, 27	-20902, 132
-2014, 27	-20903, 132
-2015, 27	-20904, 132
-2016, 28	-20905, 132
-2017, 28	-20906, 132
-20201, 125	-20907, 133
-20202, 125	-20908, 133
-20203, 126	-20909, 133
-20204, 126	-20910, 133
-20205, 126	-20911, 133
-20206, 126	-20912, 134
-20302, 126	-20913, 134
-20303, 126	-20914, 134
-20601, 127	-20915, 134
-20604, 127	-20916, 134
-20605, 127	-20917, 135
-20606, 127	-20918, 135
-20607, 127	-20919, 135
-20608, 127	-20920, 135
-20609, 128	-20921, 136
-20610, 128	-20922, 136
-20611, 128	-20923, 136
-20612, 128	-20999, 136
-20613, 128	-2101, 28
-20614, 128	-2102, 28
-20615, 129	-2103, 28
-20616, 129	-22001, 137
-20617, 129	-22002, 137
-20618, 129	-22003, 137
-20701, 129	-22004, 137
-20702, 130	-22005, 137
-20703, 130	-22006, 138
-20704, 130	-22009, 138
-20705, 130	-2201, 29
-20706, 130	-22010, 138
-20707, 130	-2202, 29
-20708, 130	-22101, 138
-20709, 131	-22102, 138
-20710, 131	-22103, 138
-20711, 131	-22104, 139

-22105, 139	-24003, 147
-22106, 139	-24005, 147
-22107, 139	-24007, 147
-22201, 139	-2401, 29
-22202, 140	-2403, 30
-22204, 140	-2404, 30
-22205, 140	-2405, 30
-22301, 140	-2406, 30
-22302, 140	-2407, 30
-22401, 140	-2408, 30
-22402, 141	-2410, 31
-22503, 141	-2501, 31
-22504, 141	-2502, 31
-22505, 141	-2503, 31
-22601, 141	-2504, 31
-22602, 141	-2505, 32
-22611, 142	-2506, 32
-22612, 142	-2507, 32
-22613, 142	-2508, 32
-22614, 142	-26005, 148
-22615, 142	-26101, 148
-22616, 143	-26102, 148
-22617, 143	-27001, 148
-22701, 143	-27002, 148
-22702, 143	-27003, 149
-22801, 143	-27004, 149
-22802, 143	-27005, 149
-22803, 144	-27006, 149
-22804, 144	-27007, 150
-22805, 144	-28003, 150
-22806, 144	-28004, 150
-22811, 144	-28005, 150
-22812, 145	-28006, 150
-22813, 145	-28010, 150
-22814, 145	-28011, 151
-22901, 145	-28012, 151
-22902, 145	-28020, 151
-23005, 146	-28021, 151
-23007, 146	-28023, 151
-23009, 146	-28024, 152
-2301, 29	-28025, 152
-23010, 146	-28026, 152
-2302, 29	-28027, 152

-29001, 152	-30122, 158
-29002, 153	-30123, 158
-29003, 153	-3013, 34
-29004, 153	-30131, 159
-29005, 153	-30132, 159
-29006, 153	-30133, 159
-29007, 154	-30134, 159
-29008, 154	-30135, 159
-29009, 154	-30136, 159
-2901, 32	-3014, 35
-29011, 154	-3015, 35
-2902, 32	-3016, 35
-2903, 33	-302, 3
-30001, 155	-30201, 160
-30002, 155	-30202, 160
-30003, 155	-30203, 160
-30004, 155	-30204, 160
-30005, 155	-3021, 35
-30007, 155	-3022, 35
-3001, 33	-3024, 36
-3002, 33	-3025, 36
-3003, 33	-3026, 36
-3004, 33	-3027, 36
-3005, 34	-3028, 36
-3006, 34	-3029, 37
-301, 3	-303, 3
-30101, 156	-3031, 37
-30102, 156	-3032, 37
-30103, 156	-3033, 37
-30104, 156	-3034, 37
-30105, 156	-3035, 37
-30106, 157	-3036, 38
-30107, 157	-304, 3
-30108, 157	-305, 4
-30109, 157	-306, 4
-3011, 34	-307, 4
-30110, 157	-308, 4
-30111, 157	-32001, 160
-30112, 158	-32002, 161
-30113, 158	-32003, 161
-30114, 158	-32004, 161
-3012, 34	-32101, 161
-30121, 158	-32102, 161

-32111, 162	-34053, 171
-32112, 162	-34054, 171
-32201, 162	-34055, 171
-32300, 162	-34056, 172
-32301, 163	-34057, 172
-32302, 163	-34058, 172
-32305, 163	-34059, 172
-32310, 163	-34060, 172
-32311, 164	-34061, 172
-32312, 164	-34062, 173
-32313, 164	-34063, 173
-32314, 164	-34064, 173
-32400, 164	-34065, 173
-32401, 165	-34066, 173
-32410, 165	-34067, 174
-32411, 165	-36001, 174
-32412, 165	-36002, 174
-33001, 166	-36003, 174
-33002, 166	-36004, 174
-33003, 166	-36005, 175
-33004, 166	-36006, 175
-33011, 167	-36101, 175
-33100, 167	-36102, 175
-33101, 167	-36201, 175
-33102, 167	-36202, 175
-33200, 167	-36203, 176
-33201, 167	-36204, 176
-33202, 168	-36901, 176
-33203, 168	-36902, 176
-33204, 168	-36903, 176
-33205, 168	-36904, 176
-33300, 168	-4001, 38
-34010, 169	-4002, 38
-34011, 169	-4003, 38
-34014, 169	-4004, 38
-34015, 169	-4005, 39
-34016, 170	-401, 4
-34017, 170	-4011, 39
-34018, 170	-4012, 39
-34041, 170	-4013, 39
-34042, 170	-4014, 39
-34051, 171	-4016, 39
-34052, 171	-4017, 40

-4018, 40	-50102, 194
-4019, 40	-50103, 194
-402, 4	-50111, 194
-4020, 40	-50112, 194
-4021, 40	-502, 5
-4023, 40	-50201, 195
-4024, 41	-50202, 195
-4025, 41	-50203, 195
-4026, 41	-50204, 195
-4027, 41	-50205, 195
-4028, 41	-50206, 195
-4029, 42	-50211, 196
-4030, 42	-50212, 196
-4031, 42	-50213, 196
-4032, 42	-50214, 196
-4801, 42	-50215, 196
-4802, 42	-50216, 196
-4803, 43	-50217, 197
-4804, 43	-50218, 197
-4805, 43	-50219, 197
-4806, 43	-50231, 197
-4901, 43	-50232, 197
-4902, 44	-50233, 197
-4903, 44	-50234, 198
-4904, 44	-50235, 198
-50001, 192	-50236, 198
-50002, 192	-50237, 198
-50003, 192	-50238, 198
-50004, 193	-50251, 198
-50005, 193	-50252, 199
-50006, 193	-503, 5
-50007, 193	-50301, 199
-50008, 193	-50302, 199
-50009, 193	-50303, 199
-5001, 44	-50304, 199
-50010, 194	-50305, 199
-5002, 44	-504, 5
-5003, 45	-50401, 200
-5004, 45	-50402, 200
-5005, 45	-50403, 200
-5009, 45	-50404, 200
-501, 5	-50405, 200
-50101, 194	-50406, 200

-50407, 201	-50804, 207
-50408, 201	-50805, 208
-50409, 201	-50806, 208
-50410, 201	-50901, 208
-50411, 201	-50902, 208
-505, 5	-50911, 208
-50501, 201	-50912, 208
-50502, 202	-50913, 209
-50503, 202	-50914, 209
-50504, 202	-51001, 209
-50505, 202	-51002, 209
-506, 6	-51003, 209
-50601, 202	-51004, 209
-50602, 202	-51005, 210
-50603, 203	-51006, 210
-50604, 203	-51007, 210
-50605, 203	-51011, 210
-50606, 203	-51012, 210
-50607, 203	-5102, 45
-50608, 203	-51021, 210
-50611, 204	-51031, 211
-50612, 204	-51032, 211
-50621, 204	-51041, 211
-50622, 204	-51042, 211
-50623, 204	-51043, 211
-50624, 205	-51044, 211
-50625, 205	-51045, 212
-507, 6	-51046, 212
-50701, 205	-51047, 212
-50702, 205	-51048, 212
-50703, 205	-51049, 212
-50704, 206	-5105, 45
-50705, 206	-5106, 46
-50711, 206	-5107, 46
-50712, 206	-5108, 46
-50713, 206	-5109, 46
-50714, 206	-5110, 47
-50715, 207	-51101, 212
-50716, 207	-51102, 212
-50717, 207	-51103, 213
-508, 6	-51104, 213
-50802, 207	-51105, 213
-50803, 207	-51106, 213

-5111, 47	-51515, 220
-51111, 213	-51516, 221
-51112, 213	-51517, 221
-51113, 214	-51602, 221
-51121, 214	-51603, 221
-51122, 214	-51604, 221
-51123, 214	-51605, 221
-51124, 214	-51701, 222
-51201, 214	-51702, 222
-51202, 215	-51703, 222
-51203, 215	-51704, 222
-51204, 215	-51705, 222
-51205, 215	-51711, 222
-51206, 215	-51721, 223
-51207, 216	-51801, 223
-51208, 216	-51802, 223
-51209, 216	-51803, 223
-51210, 216	-51804, 223
-51211, 216	-51811, 224
-51301, 216	-51901, 224
-51302, 217	-51902, 224
-51303, 217	-51903, 224
-51304, 217	-51904, 224
-51305, 217	-52001, 224
-51306, 217	-52002, 225
-51307, 217	-52003, 225
-51308, 218	-52004, 225
-51309, 218	-52005, 225
-51310, 218	-52006, 225
-51311, 218	-5201, 47
-51312, 218	-5202, 47
-51401, 218	-5203, 47
-51402, 219	-5204, 47
-51403, 219	-5205, 48
-51404, 219	-5206, 48
-51501, 219	-5207, 48
-51502, 219	-5208, 48
-51503, 219	-5209, 48
-51504, 220	-52101, 225
-51511, 220	-5212, 48
-51512, 220	-5213, 49
-51513, 220	-5221, 49
-51514, 220	-5222, 49

-52301, 226	-52703, 229
-52302, 226	-52704, 229
-52303, 226	-52705, 230
-5231, 49	-52706, 230
-52311, 226	-52707, 230
-52312, 226	-52708, 230
-5232, 49	-52709, 230
-52401, 226	-5271, 53
-5241, 50	-5272, 53
-52411, 227	-5273, 54
-52412, 227	-52805, 231
-52413, 227	-52901, 231
-52414, 227	-52902, 231
-5242, 50	-52903, 231
-5243, 50	-52904, 231
-5244, 50	-52905, 231
-5245, 50	-52906, 232
-5246, 51	-52907, 232
-5247, 51	-52908, 232
-5248, 51	-52909, 232
-52501, 227	-52910, 232
-5251, 51	-52911, 233
-5252, 51	-52912, 233
-5253, 52	-52913, 233
-5254, 52	-52914, 233
-5255, 52	-52915, 233
-5256, 52	-52916, 234
-5257, 52	-52917, 234
-5258, 53	-52918, 234
-5260, 53	-52919, 234
-52601, 227	-52920, 234
-52602, 228	-52928, 235
-52603, 228	-52929, 235
-52604, 228	-52930, 235
-52606, 228	-52931, 235
-52607, 228	-52932, 235
-52608, 228	-52933, 235
-52609, 229	-52934, 236
-5261, 53	-52935, 236
-52610, 229	-52936, 236
-5262, 53	-52937, 236
-52701, 229	-52938, 236
-52702, 229	-52939, 237

-52940, 237	-52981, 245
-52941, 237	-52982, 245
-52942, 237	-52983, 245
-52943, 237	-52984, 246
-52944, 238	-52985, 246
-52945, 238	-52986, 246
-52946, 238	-52987, 246
-52947, 238	-52988, 246
-52948, 238	-52989, 247
-52949, 239	-52990, 247
-5295, 54	-52991, 247
-52950, 239	-52992, 247
-52951, 239	-52993, 247
-52952, 239	-52994, 248
-52953, 239	-52995, 248
-52954, 240	-52996, 248
-52955, 240	-52997, 248
-52956, 240	-52998, 248
-52957, 240	-52999, 249
-52958, 240	-53000, 249
-52959, 241	-53001, 249
-5296, 54	-53003, 249
-52960, 241	-53004, 249
-52961, 241	-53005, 249
-52962, 241	-53006, 250
-52963, 241	-53007, 250
-52964, 242	-53008, 250
-52965, 242	-53009, 250
-52966, 242	-53010, 250
-52967, 242	-53011, 251
-52968, 242	-53012, 251
-52969, 243	-53013, 251
-52970, 243	-53014, 251
-52971, 243	-53015, 251
-52972, 243	-53016, 252
-52973, 243	-53017, 252
-52974, 244	-5401, 54
-52975, 244	-5402, 54
-52976, 244	-5403, 54
-52977, 244	-5411, 55
-52978, 244	-5412, 55
-52979, 245	-5421, 55
-52980, 245	-5422, 55

-5431, 55	-57056, 185
-5441, 55	-57057, 186
-5442, 56	-57058, 186
-5443, 56	-57059, 186
-5444, 56	-57060, 186
-5445, 56	-57061, 186
-54999, 252	-57062, 186
-5501, 56	-57071, 187
-5511, 57	-57072, 187
-5512, 57	-57101, 187
-5521, 57	-57102, 187
-5522, 57	-57103, 187
-5531, 57	-57104, 187
-5532, 57	-57105, 188
-5541, 58	-57106, 188
-5542, 58	-57107, 188
-57001, 181	-57108, 188
-57002, 181	-57109, 188
-57003, 181	-57110, 188
-57004, 181	-57111, 189
-57011, 182	-57112, 189
-57012, 182	-57113, 189
-57013, 182	-57121, 189
-57014, 182	-57301, 189
-57015, 182	-57302, 189
-57016, 182	-57303, 190
-57017, 183	-58001, 190
-57018, 183	-58002, 190
-57019, 183	-58011, 190
-57020, 183	-58012, 190
-57021, 183	-58013, 191
-57022, 183	-58014, 191
-57031, 184	-58015, 191
-57032, 184	-58016, 191
-57033, 184	-58017, 191
-57034, 184	-581101, 191
-57035, 184	-581102, 192
-57036, 184	-581111, 192
-57051, 185	-5901, 58
-57052, 185	-5902, 58
-57053, 185	-5903, 58
-57054, 185	-5904, 58
-57055, 185	-5905, 59

-5906, 59	-6301, 64
-5907, 59	-6302, 65
-5908, 59	-6303, 65
-5909, 59	-6304, 65
-5910, 59	-6401, 65
-5911, 60	-6501, 65
-5991, 60	-6502, 66
-5992, 60	-6503, 66
-5993, 60	-6504, 66
-5994, 60	-6505, 66
-5995, 60	-6506, 66
-5996, 61	-6901, 66
-5997, 61	-6902, 67
-5998, 61	-6903, 67
-5999, 61	-6904, 67
-6001, 62	-6905, 67
-6002, 62	-6906, 67
-6003, 62	-6907, 67
-6004, 62	-6908, 68
-6005, 62	-6909, 68
-6009, 62	-6910, 68
-601, 6	-7007, 68
-602, 6	-7011, 69
-603, 6	-7014, 69
-604, 7	-7015, 69
-605, 7	-7022, 69
-606, 7	-7024, 69
-607, 7	-7032, 70
-608, 7	-7035, 70
-609, 7	-7036, 70
-610, 8	-7041, 70
-6101, 63	-7062, 70
-6102, 63	-7063, 70
-6103, 63	-7064, 71
-6104, 63	-7066, 71
-6105, 63	-7072, 71
-611, 8	-7073, 71
-612, 8	-7076, 71
-613, 8	-7102, 71
-6201, 64	-7501, 72
-6202, 64	-7502, 72
-6203, 64	-7503, 72
-6204, 64	-7504, 72

-7505, 72	-906, 9
-7506, 73	-910, 9
-7508, 73	-9100, 79
-7509, 73	-9101, 79
-7510, 73	-9102, 79
-7511, 73	-9103, 80
-7512, 73	-9104, 80
-7513, 74	-9105, 80
-7514, 74	-9106, 80
-7515, 74	-9107, 80
-7516, 74	-9108, 80
-7517, 74	-9109, 81
-7518, 74	-911, 9
-7519, 75	-9110, 81
-7520, 75	-912, 10
-7521, 75	-913, 10
-8001, 75	-914, 10
-8002, 75	-915, 10
-8003, 76	-920, 10
-8004, 76	-9201, 81
-8009, 76	-9202, 81
-8201, 76	-921, 10
-8202, 76	-9210, 81
-8203, 76	-9211, 82
-8204, 77	-9212, 82
-8205, 77	-922, 11
-8207, 77	-9220, 82
-8901, 77	-9221, 82
-900, 8	-9222, 83
-9001, 77	-930, 11
-9002, 78	-9300, 83
-9003, 78	-93001, 177
-9004, 78	-93002, 177
-9005, 78	-93003, 177
-901, 8	-9301, 83
-9012, 78	-9302, 83
-902, 9	-9303, 83
-9029, 78	-931, 11
-903, 9	-93100, 177
-904, 9	-93200, 177
-9040, 79	-93210, 178
-905, 9	-93220, 178
-9051, 79	-93700, 178

-93702, 178
-93710, 178
-93711, 179
-93900, 179
-940, 11
-9400, 84
-9401, 84
-9402, 84
-9403, 84
-950, 11
-9500, 84
-9610, 84
-9611, 85
-9620, 85
-9621, 85
-9622, 85
-9700, 85
-9701, 86
-9702, 86
-9703, 86
-9704, 86
-9705, 86
-9706, 87
-9707, 87
-9708, 87
-9709, 87
-9710, 88
-9711, 88
-9712, 88
-9800, 88
-9801, 88
-9900, 89
-9901, 89
-9902, 89
-9903, 89