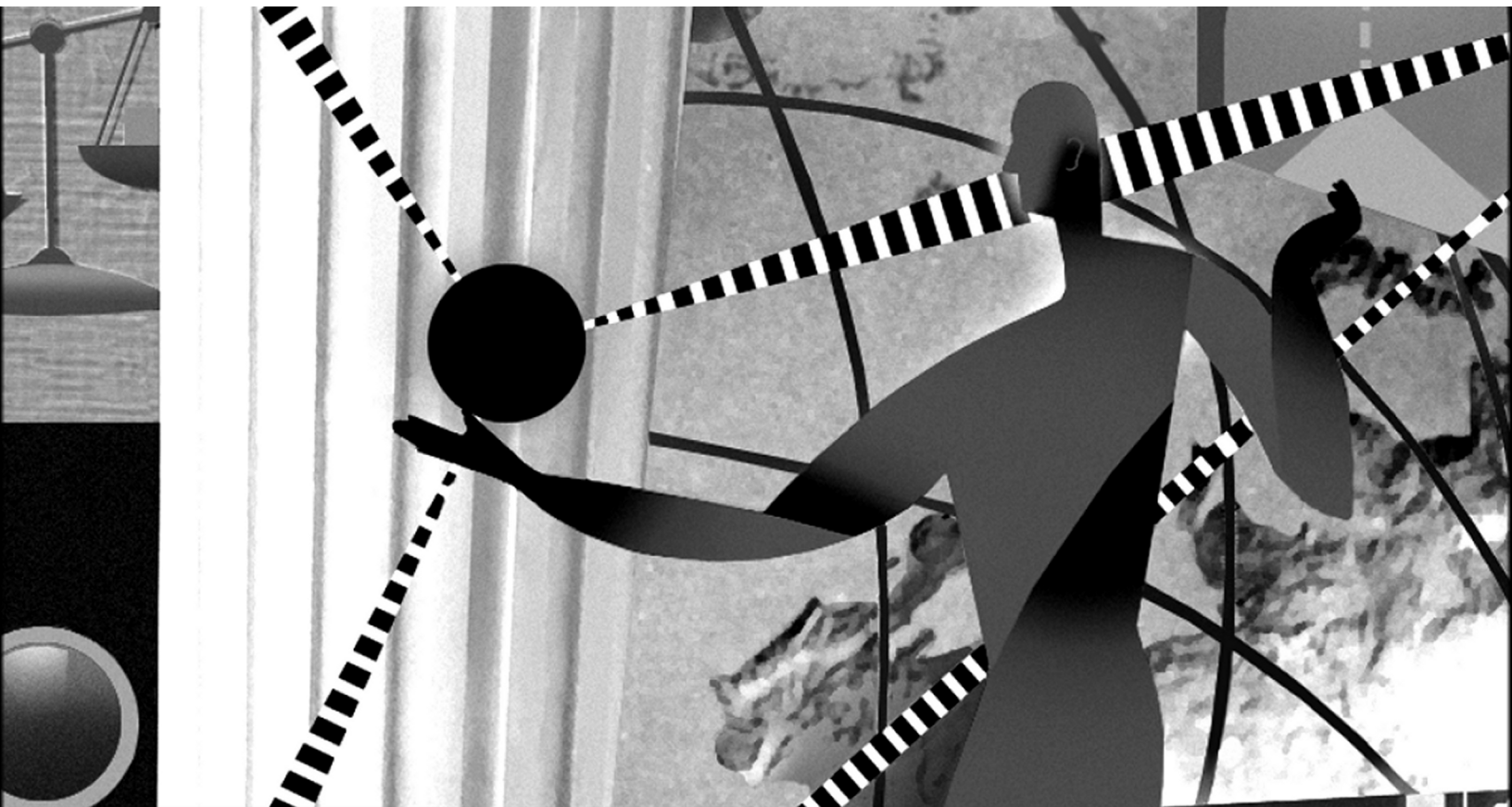


OASYS GLOBAL TM

DIRECT



MIGRATION GUIDE FOR OASYS GLOBAL AUTOMATED WORKSTATION CLIENTS

Version 3.4.2

20 March 2001

THOMSON FINANCIAL



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OASYS Global *Direct* Migration Guide for OASYS Global Automated Workstation Clients

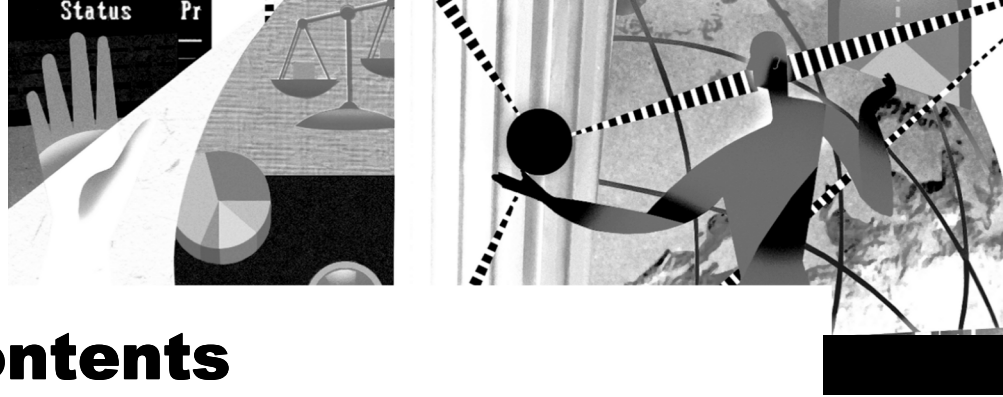


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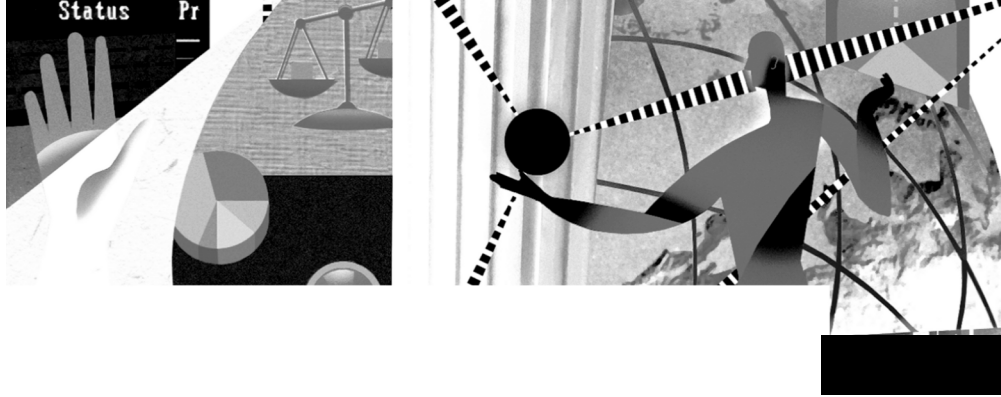
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Preface

This document is for existing OASYS Global clients that have developed OASYS Global automated workstations (import/export) and are planning to convert their automated interface to the OASYS Global *Direct* real-time interface. It does not matter whether they are currently using the GO_API interface to OASYS Global Import/Export or whether they are planning to use the MT511 Parser API for implementing OASYS Global *Direct*.

This document is intended to make the conversion from one interface to the other much easier and make the benefits of the new real-time host-to-host interface more attainable.

Intended Audience

This document is directed toward your systems analysts, programmers, and others involved in implementing the link between your internal systems and OASYS Global Direct.

How This Manual Is Organized

This manual contains the following chapters:

- Chapter 1, “Comparison of Features: Import/Export vs. OASYS Global Direct,” gives an overview of many differences between the two types of interfaces.
- Chapter 2, “Import/Export to OASYS Global Direct Mappings,” describes the correlation between OASYS Global Import/Export transactions and OASYS Global *Direct* messages, and it shows the MT511 fields that are constants and not derived from import/export data, and it provides detailed mapping information for converting import/export data to MT511 field data.

Typographic Conventions

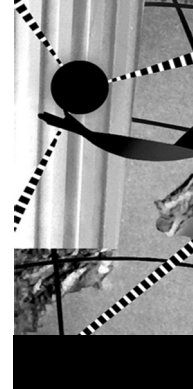
Unless otherwise noted in the text, this manual uses the following typographic conventions:

Courier	Commands, printed text examples, function names and parameters, contents, variables, field names, literal values, return values, arguments, transaction names, configuration parameters, default values, format strings, MT511 tags and assigned values, path variables and paths, and C code samples; for example: OASYS LOG REPORT
Courier Bold	Data format specifications. For example, dd-mm-yy date format.
UPPERCASE	Electronic Trade Confirmation acronyms (such as ETC and API), and message types (such as BLIM).
<i>Italics</i>	Trade and message statuses (for example <i>Reject</i> , <i>Affirm</i> , <i>Cancel</i>).
<i>UPPERCASE ITALICS</i>	MT511 message types (for example, <i>AE</i> , <i>CN</i> (<i>CNA CNB</i>), and <i>TA</i>), and return codes (for example, <i>SUCCESS</i> , <i>FAILURE</i>).
Bold	File names (such as import.dat and trans.map), and library names (such as wsock32.dll and moa.lib).

Related Documents

These are other Thomson ESG documents related to this publication:

- *OASYS Global Direct MT511 Messaging Specification*
- *OASYS Global Direct MT511 Parser API Programmer's Guide and Reference*
- *OASYS Global Direct Broker and Institution Conformance Requirements*
- *OASYS Global Direct Message Delivery System TCP/IP API Programmer's Guide*
- *OASYS Global Direct Sample MT511 Data - Block and Contract Level Data Flow Examples*
- *OASYS Global Direct Overview*
- *OASYS Global Direct Release Notes, Version 3.4.2*



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Electronic Trade Confirmation Code of Practice

See the section titled "Electronic Trade Confirmation Code of Practice" in *OASYS Global Direct Overview* for more information about the Electronic Trade Confirmation Code of Practice.

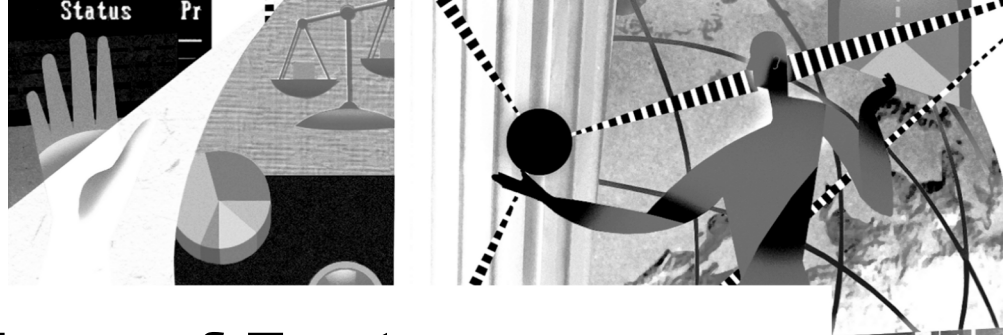
Terminology

For Import/Export, the terminology derives from the “Trans.map File” section in Appendix A, “Map Files,” and from Appendix B, “Fields,” in the *OASYS Global 1.4 Integration Guide*.

For the OASYS Global *Direct* interface, the terminology comes from the *OASYS Global Direct MT511 Messaging Specification* document.

GO_API names derive from the *OASYS Global 1.4 Integration Guide* names in the following way: for transaction names, change the name to uppercase and add the prefix “IET_” (i.e. `imp_blim` becomes `IET_IMP_BLIM`). For field names, change the name to uppercase and add the prefix “IEF_” (i.e., `security` becomes `IEF_SECURITY`).

For MT511, you can find Parser API field names by looking up the given tag in Appendix C, “MT511 Tag to Parser Defined Constant Mapping,” of the *OASYS Global Direct MT511 Parser API Programmer’s Guide and Reference* document. For example, field TF12 is accessed using the constant `FLD_DATE_OF_MSG`.



1: Comparison of Features: Import/Export vs. OASYS Global Direct

This chapter describes some of the key differences between the import/export interfaces and OASYS Global Direct (OGD). It contains the following sections:

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Batch Vs. Real-time

Import/export is batch; OGD is real-time. This has two important implications:

- In OGD, there is no need to accumulate messages. You can send or receive each new message when it is ready.
- In OGD, no file handling or file name manipulation is necessary. A small set of function calls in the MDS TCP/IP API handles all communication.

Message Vs. Transaction

Structures, called “transactions” in import/export and “messages” in OGD, transport all information (trades, allocations, confirmations, responses, cancellations, and value-added security code and delivery instruction data.) This section explains the fundamental differences between transactions and messages, and Chapter 2, “Import/Export to OASYS Global Direct Mappings,” provides a table to help in mapping from transactions to messages.

Conceptual Differences

Import/export transactions ease information sharing between your client application and a local database of trade and allocation data. The set of transactions is the minimal set needed to exchange the information. Import transactions update the database with changes. Export transactions dump the current copy of the database record. In this way, export does not distinguish between a block-level *CCM* and a confirmation-level *CCM*. Similarly, dumping the entire record exports a change in status or the appearance of host data.

OGD messages facilitate information exchange between you and your counterparty in a securities transaction. Both parties must maintain their databases according to the information contained in the messages. The messages carry only the minimal set of data to effect the desired communication, whether it is new information about a trade or a response to a previous message.

MT511 Value Added Messages

The host generates *ValueAdded* messages. They contain security code data from the host ISIN database and delivery instructions from the host ALERT database. In import/export, this data is part of an export transaction (*exp_blim*, *exp_adm*, *exp_ccm*) depending on which message is associated with the data. In OGD, the *ValueAdded* message includes only the host data plus essential key fields.

MT511 Status Messages

Status messages carry the statuses *Valid*, *Reject*, *Affirm*, and *Canceled*.

The system never imports *Valid* and *Canceled* in import/export because the workstation automatically generates and sends their import/export equivalents (*RCVD* and *CNRCVD*). If you configure import/export to do so, the program can export *RCVD* and *CNRCVD*. In this case, they come from the full-record export transaction (*exp_blim*, *exp_adm*, *exp_ccm*). In OGD, your application explicitly creates *Valid* and *Canceled* messages upon the receipt and safe-storage of the message.

In import/export, the program imports *Reject* and *Affirm* messages using an *imp_response* transaction, and it exports these statuses using the base message type export transactions (*exp_blim*, *exp_adm*, *exp_ccm*). In OGD, the cooperating counterparties send and receive *Reject* and *Affirm* messages as separate status messages.

MT511 Cancel and Amend Messages

In import/export, the system considers a *Cancel* another type of response message, like *Reject* and *Affirm*. Import/export imports and cancels it using the *imp_response* transaction and exports it as all other exports (*exp_blim*, *exp_adm*, *exp_ccm*). In OGD, *Cancel* messages are

similar to status messages. The main difference is that *Cancel* messages use a different field — Sub Message Type Function (23B) versus Status Response Code (23M).

In import/export, *Amend* is just like a new message (imp_blim, imp_adm, imp_ccm_bl, imp_ccm_al) except that the version number is greater than 1. In OGD, an *Amend* is also very similar to a *New*; it contains the same set of mandatory and optional fields. The only difference is that the value of field 23B is *Amend* instead of *New*, and the Transaction Version Number field (20C) is mandatory and must have a value greater than 1.

ALERT Detail

A significant difference between import/export and OGD is the way that it presents ALERT delivery instructions. In import/export, the system places the entire delivery instruction in one field (except for the BIC code). In OGD, the instructions appear in discrete fields, each MT511 field containing a single delivery instruction field.



Error Handling

Since there is no workstation with OGD, there is also no local presence of the OASYS Global application layer at your site. The interface to the OG host is transparent to the user. This presents several issues for the developer migrating from import/export to OGD.

Import Data Errors

In import/export, a results file is generated after the workstation processes each import file. The results file indicates the import status of each transaction in the file. It also signifies whether the system accepted each transaction as valid or rejected it as invalid. The presence of the local workstation database supports this capability.

In OGD, your application creates messages and sends them to the OG host. If the host cannot process a message due to syntactic or semantic errors, it generates a special *Invalid* message. This message comes back to your system, possibly commingled with the normal flow of messages going to your system. It is up to your application to detect this message in the incoming data stream and process it. For messages that the host accepts for processing, there is no specific positive acknowledgment generated at the application level.

OGD offers a comprehensive local syntax validation capability in the MT511 Parser API. By using this capability, your application can check the message's validity before submitting it to the host and eliminate many potential errors before transmission.

Connection Handling

In import/export, the workstation software handles the remote connection. In OGD, your application manages the connection to the remote host using the `MOA_open` and `MOA_close` functions.

Event Logging

One of the key benefits of OGD is that you can integrate the monitoring of the OASYS Global interface with your preferred operations procedures and systems. You can integrate all connection and application level activities, including error handling, with your operating environment. OASYS Global workstation location and management are no longer a concern.

Date and Time Formats

OGD dates must be in the format `ccYYMMDD`; import/export dates are in `dd-mm-yy` format. For example, in OGD, December 31, 1996 appears as `19961231`. Similarly, OGD times must be in `HHMMSS` format and import/export times must be in `hh:mm` format.



Trade and Allocation Reference Numbers

Import/export does not require that the client provide this unique number (*brk_int_num*). OGD requires your application to provide a unique identifying reference number for any new trade or allocation sent to the OGD system. Once the system processes the message carrying the new trade or allocation data, OASYS Global assigns its own unique identifier (*Common Reference*) used from then on as the preferred reference number for the trade or allocation.

Obtaining the OASYS Global Reference Number

You do not have access to the OASYS Global reference number for a trade or allocation until you receive a response or *ValueAdded* message corresponding to the original message. The original client reference number is also included, and it is your application's responsibility to store the new *Common Reference* value and use it in subsequent messages.

Note! Remember, since it is based on the Julian date, the OG Reference Number is only unique for one year. If you use it as a primary key, the duplicate numbers created can cause problems on your system. Therefore, we recommend against using the OG reference number as a primary key. If you still want to use it as a primary key, your interface should add two digits (for the full year, that is, YYYY) to the number when receiving an OG export and strip the two numbers when your PMS exports trade records to OG.

Status Messages and Amend Messages

All *Amend* and *Status* messages sent must contain the *Common Reference* number.

Cancel Messages

You can send *Cancel* messages without the *Common Reference* number since it is possible to cancel a trade (*AE*, *CNA*) or allocation (*TA*) before receiving any response to it. Your application must include its unique ID, attached to the original message, with the *Cancel* message.

Explicit Valid

In OGD, when your application receives a new trade, allocation, or confirmation message, it must promptly respond with a *Valid* response message to indicate that it has received the message for processing. For import/export clients, the workstation automatically performs this action.

Explicit Canceled

Similar to the explicit *Valid*, if it is the receiving party, your application must also generate the *Canceled* response in the OGD interface.

Repeating Groups

When you receive multiple instances of similar data, import/export has a unique field name for each piece of data. OGD, on the other hand, uses “repeating groups” to reuse named fields for instances of similar data.

A repeating group may contain a single field or multiple fields that repeat as a group. There is one instance of a repeating group within another repeating group (the `Field ID/Field Value` pair used for ALERT delivery instructions repeats within the `Party Identification` group).

A good example of a repeating group is the `Party Identification` group. This group contains information about trade parties. Much of the information that applies to a broker (such as `Party Type`, `Party Identification`, and `Party's Reference to the Transaction`) applies to the institutional client also. This means that the group repeats twice, once for each party. This particular group may repeat a third time to contain data about a third party in the transaction which would be the fund or investor.

An example of a single repeating field is `Identification of Financial Instrument`, which can repeat up to three times. Each repetition may contain a different security code type, such as CUSIP, SEDOL, ISIN, etc.

See the section titled “Field-to-Field Mapping” in Chapter 2, “Import/Export to OASYS Global Direct Mappings,” for more information about how the unique import/export style fields can be converted to the grouped equivalents.

Implicit Child Cancel

In import/export, if you cancel a trade, the system automatically generates *CNRCVD* messages for all child messages.

In OGD, the generation of a *Cancel* message on a Trade (*AE*) implies that all child allocations and confirmations are also canceled. The implementation of the child cancels is your responsibility.

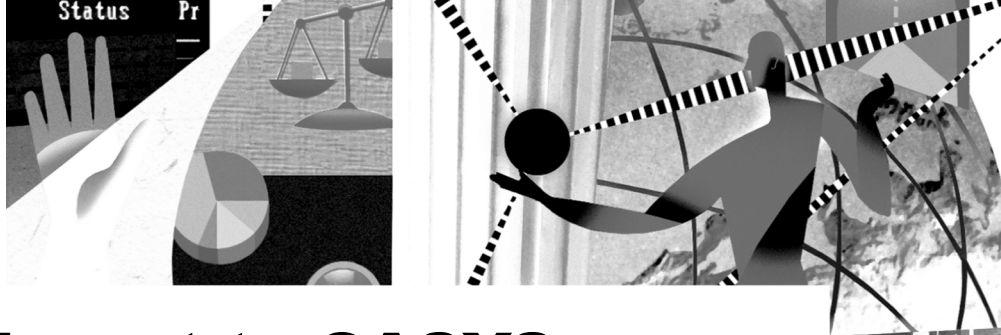
Numeric Format

Number formats in OGD use the international standard, the comma, for the decimal point.

In import/export, numbers use the period for the decimal point. Commas may express orders of magnitude of 1,000 (e.g. 50,350,010.99). In OGD, fractional numbers must always contain at least one zero before the decimal point (e.g. 0,0214). Your application cannot use periods (i.e. 50350010,99 illustrates proper formatting).

System Dates and Times

There are no system dates and times in the OGD message. All system dates and times are generated either locally or by the counterparty, and they are only available for export.



2: Import/Export to OASYS Global *Direct* Mappings

2

Import/Export to OASYS Global *Direct* Mappings

This chapter describes the correlation between OASYS Global Import/Export transactions and OASYS Global *Direct* messages, and it shows the MT511 fields that are constants and not derived from import/export data, and it provides detailed mapping information for converting import/export data to MT511 field data. It contains the following sections:

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Field-to-Field Mapping	8

The names in the left column of the following table, which lists Import/Export transactions, come from Appendix A, “Map Files,” in the *OASYS Global 1.4 Integration Guide*. The right column of the table shows the equivalent OGD messages.

Please refer to the section titled “Message Vs. Transaction,” in Chapter 1, “Comparison of Features: Import/Export vs. OASYS Global *Direct*,” for a discussion of the differences in content of the transactions and messages.

Import/Export Transaction	MT511 Equivalent Message
imp_blim	<i>New or Amend AE.</i>
imp_adm	<i>New or Amend TA.</i>
imp_ccm_bl	<i>New or Amend CNB.</i>
imp_ccm_al	<i>New or Amend CNA.</i>
imp_response for statuses <i>Reject, Affirm, Cancel</i>	Status or <i>Cancel</i> , for all message types (<i>AE, TA, CNA, CNB</i>).
imp_response for status <i>Acknlg</i>	No equivalent.
exp_blim	<i>New or Amend AE.</i> Status or <i>Cancel</i> for previous <i>AE</i> . <i>ValueAdded</i> for <i>AE</i> .
exp_adm	<i>New or Amend TA.</i> Status or <i>Cancel</i> for previous <i>TA</i> . <i>ValueAdded</i> for <i>TA</i> .
exp_ccm	<i>New or Amend CNB.</i> Status or <i>Cancel</i> for previous <i>CNB</i> . <i>New or Amend CNA.</i> Status or <i>Cancel</i> for previous <i>CNA</i> . <i>ValueAdded</i> for <i>CNA</i> .

Constant Header Fields

The following table shows OGD (MT511) fields that are constants. These fields do not correspond to any specific import/export fields.

Constant Fields MT511 Field Name (Tag)	Value
Message Type (TFH1)	Always 511
First Sub-Message Type (TFH2)	For all messages used in block level trading: AE For all messages used in contract level trading: CN
Last Sub-Message Type (TFH3)	Always CN
TFS Protocol Version (TFH9)	Always OG01
Sub-Message Type (23A)	AE for BLIM messages, BLIM status messages, BLIM <i>Cancel</i> messages, and <i>ValueAdded</i> messages associated with BLIMs TA for ADM messages, ADM status messages, ADM <i>Cancel</i> messages, and <i>ValueAdded</i> messages associated with ADMs CN for CCM messages, CCM status messages, CCM <i>Cancel</i> messages, and <i>ValueAdded</i> messages associated with CCMs. This applies to block and confirmation level CCMs

Field-to-Field Mapping

The following table helps you in the conversion of an existing program from import/export fields to OGD fields.

The terms used in the left column come from Appendix C, “Controlled Vocabularies,” of the *OASYS Global 1.4 Integration Guide*, and are presented here in approximately the same order. Terms on the right are ISO standard MT511 names and tags specifically designed for compatibility with OASYS Global, and can be found in the *OASYS Global Direct MT511 Messaging Specification* document.

Specific usage of fields in an existing import/export application can match with entries in the left column. The appropriate action for conversion to OGD is in the right column.

OG Import/Export Field Name	OASYS Global Direct (MT511 Tag) Equivalent
obroker	Party Identification (80J). 80J is part of the Party ID group, and directly follows Party Type (23K). For obroker, set the value of 23K = EXEC. Also, one of Sender (80A1) or Receiver (80A3) must match the obroker value, depending on who is sending.
receiver	Party Identification (80J). 80J is part of the Party ID group, and directly follows Party Type (23K). For receiver, set the value of 23K = IMGR. Also, one of Sender (80A1) or Receiver (80A3) must match the receiver value, depending on who is receiving.
reference	Sub Message Reference (20B). 20B is part of the Transaction Reference group and immediately follows Type of Sub Message Reference (20A). Set 20A = 03 (common reference) for the group containing the value of reference.



OG Import/Export Field Name	OASYS Global Direct (MT511 Tag) Equivalent
brk_int_num	Party's Reference to Transaction (TF14). TF14 is part of the Party ID group. The value of brk_int_num belongs in the group where 23K = EXEC
rcv_int_num	Party's Reference to Transaction (TF14). TF14 is part of the Party ID group. The value of rcv_int_num belongs in the group where 23K = IMGR
version	Transaction Version Number (20C). 20C is part of the Transaction Reference group and immediately follows 20A and 20B. Set 20A = 03 (common reference) for the group containing the value of version. If version > 1, and status is not <i>Cancel</i> or <i>CNRCVD</i> , then Sub-Message Type Function (23B) must be <i>Amend</i> (02).
security	Identification of Financial Instrument (35B), 12a portion. For <i>AE</i> and <i>CNA</i> messages received from the host, security, sec_descript, and sec_code_type will always be in the second repetition of 35B. For messages sent to the host by the broker, these fields are the only data in the single repetition of 35B.
sec_descript	Identification of Financial Instrument (35B), 4*30x portion.
sec_code_type	Identification of Financial Instrument (35B), 7a portion.
trade_date	Trade Date (31P2).
trade_time	Trade Time (31T).
transaction	Bought/Sold Indicator (23C).
trade_shares	Quantity of Financial Instruments (35A), 17d portion.
trade_price	Transaction Price (33T2), 17d portion.
settle_date	Settlement Date (30S2).
trade_curren	Transaction Price (33T2), 3a portion. Applies to the 3a portion of all trade level currency fields as well.
price_qual	Transaction Condition (23J).
trade_gr_con	Deal Amount (32M).
ag_prin	Agency/Principal/Cross Trade Indicator (83R).
trade_com_am	Special Concessions (33S), 17d portion.
trade_com_rt	Special Concessions String (TF09/RAT/).
trade_com_pc	Special Concessions String (TF09/PCT/).
net_commis	Special Concessions (33S). Affects the [N] portion. The presence of the N is equivalent to a net_commis value of No (0).
avg_priced	Average Price Indicator (33T4). If avg_priced is No (0), then 33T4 should be omitted. If Yes (1), the 33T4 should be Y.
lot_size	Lot Size (TF15), but only for fixed income trades where Lot Size is 100 (i.e. price is per hundred count of shares).



Import/Export to OASYS Global Direct Mappings

OG Import/Export Field Name	OASYS Global Direct (MT511 Tag) Equivalent
alt_secur	Identification of Financial Instrument (35B), 12a portion. For <i>AE</i> and <i>CNA</i> messages received from the host, alt_secur, alt_sec_desc, and alt_secddtp will always be in the third repetition of 35B. For <i>ValueAdded</i> messages generated by the host, these fields are in the second repetition.
alt_sec_desc	Identification of Financial Instrument (35B), 4*30x portion.
alt_secddtp	Identification of Financial Instrument (35B), 7a portion.
isin	Identification of Financial Instrument (35B), 12a portion; the 7a portion will be ISIN. For <i>AE</i> and <i>CNA</i> messages received from the host, and <i>ValueAdded</i> messages generated by the host, the ISIN code and value will always be in the first repetition of 35B. If no ISIN code was in the securities database, then enter the word "UNKNOWN" as the ISIN value.
b_access_code_type	Standing Instruction Override Indicator (23O). If b_access_code_type is O, then "Y" goes into 23O, otherwise 23O is omitted. 23O is part of the Party ID group and directly precedes Party Type (23K). b_access_code_type goes in the Party ID group where 23K = EXEC.
brk_comment	Sender to Receiver Information (72), except for Status = <i>Reject</i> messages (23M = 9), in which case brk_comment maps to Status Narrative (72A).
rcv_comment	Sender to Receiver Information (72), except for Status = <i>Reject</i> messages (23M = 9), in which case rcv_comment maps to Status Narrative (72A).
narrative	Status Narrative (72A). Only used in <i>CN</i> messages. Not used for status or <i>Cancel</i> messages (no 23M).
settl_curren	Deal Amount (32M), 3a portion. Applies to the 3a portion of all allocation level currency fields as well.
exchang_rate	Exchange Rate (36I).
acc_access	Further Info for Party Identified/ALERT Access Code (72B/ALAC/). Member of Party ID Group, where 23K = IMGR.
acc_type	Standing Instruction Override Indicator (23O). If acc_type is O, then "Y" goes into 23O, otherwise 23O is omitted. 23O is part of the Party ID group and directly precedes Party Type (23K). acc_type goes in the Party ID group where 23K = IMGR.
acc_name	Further Info for Party Identified/ALERT Access Code (72B/NAM/). Member of Party ID Group, where 23K = FUND.
acc_shares	Quantity of Financial Instruments (35A), 17d portion.
hard_soft	Type of Commission Sharing (23Q). If hard_soft is S, then "01" goes into 23Q. If hard_soft is D, then "02" goes into 23Q, otherwise omit.
iss_firm_chg	Included Charge Amount (71B3). Goes to the 17d portion of Group with Charge Type Included in Net Proceeds (71B1), where 71B1 = MISC.



OG Import/Export Field Name	OASYS Global Direct (MT511 Tag) Equivalent
net_con	Net Proceeds (34B), 17d portion
other_fee	Included Charge Amount (71B3). Goes to the 17d portion of Group with Charge Type Included in Net Proceeds (71B1), where 71B1 = BROK.
local_tax	Included Charge Amount (71B3). Goes to the 17d portion of Group with Charge Type Included in Net Proceeds (71B1), where 71B1 = TTAX.
local_fee	Included Charge Amount (71B3). Goes to the 17d portion of Group with Charge Type Included in Net Proceeds (71B1), where 71B1 = FEES.
contr_comm	Special Concessions (33S), 17d portion.
contr_acint	Accrued Interest (34G or 34H), 17d portion. Unsigned: use 34G for positive amount, 34H for negative.
contr_gr_con	Deal Amount (32M), 17d portion.
sfa_member lse_rules listed connect_pers best_exec	Reporting Detail (23P). Each of these fields can have either a Y or N value. The way to express a Y value in MT511 is to place the corresponding Reporting Detail acronym below into the 23P field. Any or all of the acronyms can be included, separated by spaces. <u>Acronym</u> OG Field LSMsfa_member LLRlse_rules LLSlisted LCNconnected_pers LBEbest_exec
exchange	Market of Execution (31P4).
fix_acc_int	Accrued Interest (34G or 34H), 17d portion. Unsigned: use 34G for positive amount, 34H for negative.
fix_days_int	Accrued Interest (34G or 34H), 4n portion.
fix_coup_int	Financial Instrument Attribute/Coupon Rate (23F/CPN/).
fix_mat_date	Financial Instrument Attribute / Maturity Date (23F/MDD/).
fix_orig_fv	Financial Instrument Attribute/Original Face Amount (23F/ORG/), 17d portion.
fix_curr_fv	Financial Instrument Attribute/Current Face Value (23F/CFV/), 17d portion.
fix_factor	Financial Instrument Attribute/Amortized Factor (23F/FCT/), 17d portion.
fix_acc_cur	Accrued Interest (34G or 34H), 3a portion.
fix_current_yld	Financial Instrument Attribute/Yield, Yield Type (23F/YLD/). Goes to the 17d portion; the 10a portion is set = CURRENT.
fix_yld_to_maturity	Financial Instrument Attribute/Yield, Yield Type (23F/YLD/). Goes to the 17d portion; the 10a portion is set = MATURE.



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OG Import/Export Field Name	OASYS Global Direct (MT511 Tag) Equivalent
fix_rep_yld	Financial Instrument Attribute/Yield, Yield Type (23F/YLD/). Goes to the 17d portion; the 10a portion is set = REP.
fix_type_of_call	Financial Instrument Attribute/Call Type (23F/CLT/), 17d portion.
fix_yld_to_call	Financial Instrument Attribute/Yield, Yield Type (23F/YLD/), Goes to the 17d portion; the 10a portion is set = CALL.
fix_call_price	Financial Instrument Attribute/Call Price (23F/CLP/), 17d portion.
fix_call_date	Financial Instrument Attribute/Call Date (23F/CLD/).
fix_dated_date	Financial Instrument Attribute/Dated Date (23F/DD/).
fix_odd1st_coupon_date	Financial Instrument Attribute/Odd First Coupon Date (23F/OFC/).
fix_book_entry	Financial Instrument Attribute/Book Entry Only (23F/BE/). If fix_book_entry is Y, then "Y" goes into 23F/BE/, otherwise omit.
fix_issuer	Financial Instrument Attribute/Issuer (23F/ISR/).
fix_moody_rating	Financial Instrument Attribute/Rating Type (23F/RT/). Goes to the 8x portion; 6a portion is set = MOODY.
fix_sp_rating	Financial Instrument Attribute/Rating Type (23F/RT/). Goes to the 8x portion, 6a portion is set = SP.
fix_federal_tax	Financial Instrument Attribute/Federal Tax (23F/FTX/). If fix_federal_tax is Y, then "Y" goes into 23F/FTX/, otherwise omit.
fix_alt_min_tax	Financial Instrument Attribute/Alternate Minimum Tax (23F/AMTX/). If fix_alt_min_tax is Y, then "Y" goes into 23F/AMTX/, otherwise omit.
sysdatetime record - all fields	No equivalent.
bd_delivery_name	Further Info for Party Identified/ALERT Delivery Name (72B/ALDN/). Member of Party ID Group, where 23K = EXEC.
bd_al_country	Further Info for Party Identified/ALERT Country Code (72B/ALCC/). Member of Party ID Group, where 23K = EXEC.
bd_al_security	Further Info for Party Identified/ALERT Security Type (72B/ALSC/). Member of Party ID Group, where 23K = EXEC.
bd_al_clearing_method	Further Info for Party Identified/ALERT Method Type (72B/ALMT/). Member of Party ID Group, where 23K = EXEC.



OG Import/Export Field Name	OASYS Global Direct (MT511 Tag) Equivalent
brk_deliv_text	<p>For manually entered instructions: Settlement Instruction Field Value (TF11). The manually entered text in TF11 is preceded by Settlement Instruction Field Code (TF10)=10.</p> <p>For ALERT delivery instructions (export only): Settlement Instruction Field Code (TF10). Settlement Instruction Field Value (TF11). The TF10/TF11 pair will repeat once for every field in the instruction. The TF10 code for each field is taken from Appendix C, "Field Cross Reference," of the <i>OASYS Global Direct MT511 Messaging Specification</i> document, and the corresponding value is placed in TF11.</p> <p>For broker delivery instructions, TF10 and TF11 are in the Party ID group where Party Type (23K) = EXEC.</p>
id_delivery_name	<p>Further Info for Party Identified/ALERT Delivery Name (72B/ALDN/).</p> <p>Member of Party ID Group, where 23K = IMGR</p>
id_al_country	<p>Further Info for Party Identified/ALERT Country Code (72B/ALCC/).</p> <p>Member of Party ID Group, where 23K = IMGR</p>
id_al_security	<p>Further Info for Party Identified/ALERT Security Type (72B/ALSC/).</p> <p>Member of Party ID Group, where 23K = IMGR</p>
id_al_clearing_method	<p>Further Info for Party Identified/ALERT Method Type (72B/ALMT/).</p> <p>Member of Party ID Group, where 23K = IMGR</p>
inst_deliv_text	<p>For manually entered instructions: Settlement Instruction Field Value (TF11). The manually entered text in TF11 is preceded by Settlement Instruction Field Code (TF10)=10.</p> <p>For ALERT delivery instructions (export only): Settlement Instruction Field Code (TF10). Settlement Instruction Field Value (TF11).</p> <p>The TF10/TF11 pair will repeat once for every field in the instruction. The TF10 code for each field is taken from Appendix C, "Field Cross Reference," of the <i>OASYS Global Direct MT511 Messaging Specification</i> document, and the corresponding value is placed in TF11.</p> <p>For institution delivery instructions, TF10 and TF11 are in the Party ID group where Party Type (23K) = IMGR.</p>
status	<p>Status Response Code (23M). Sub-Message Type Function (23B). Refer to following table for setting MT511 values based on the status.</p> <p>Status 23B 23M</p> <p>READY (1) NEW (01) /AMEND (02) NONE (0) RCVD (3) NEW (01) /AMEND (02) VALID (10) REJECT (5) NEW (01) /AMEND (02) REJECTED (9) AFFIRM (7) NEW (01) /AMEND (02) AFFIRMED (4) CANCEL (8) CANCEL (03) NONE (0) CNRCVD (9) CANCEL (03) CANCELED (7)</p>
action_date	Date of Message (TF12).
action_time	Time of Message (TF13).
bia	<p>Further Info for Party Identified (72B/ACCTREF/).</p> <p>Belongs in the Party ID Group where 23K = EXEC.</p>

OG Import/Export Field Name	OASYS Global <i>Direct</i> (MT511 Tag) Equivalent
bic_code	Settlement Instruction Field Value (TF11). Settlement instructions fields are individually accessible. See Appendix C, "Field Cross Reference," of the <i>OASYS Global Direct MT511 Messaging Specification</i> document for the corresponding Settlement Instruction Field Code (TF10) that should be used to access the BIC code.





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