

Transfer of Funds Technical Document

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Purpose

The Transfer of Funds (TF) document allows the user to transfer the funds (cash) between accounts. In case of financial transactions, the TF is used in situations such as covering a overdraft, reimbursing and account for expenses made or for fulfilling any funding commitment.

This document discusses the various technical aspects of financial transactions done using the Transfer of Funds (TF).

Dependencies (db tables)

Tables used in Transfer of Funds

FP_FND_TRNFR_DOC_T	Transfer Of Funds Document
SH_ACCT_PERIOD_T	Accounting Period
FP_ACCT_LINES_T	Source Accounting Line
FP_ACCT_LINES_T	Target Accounting Line
GL_PENDING_ENTRY_T	General Ledger Pending Entry

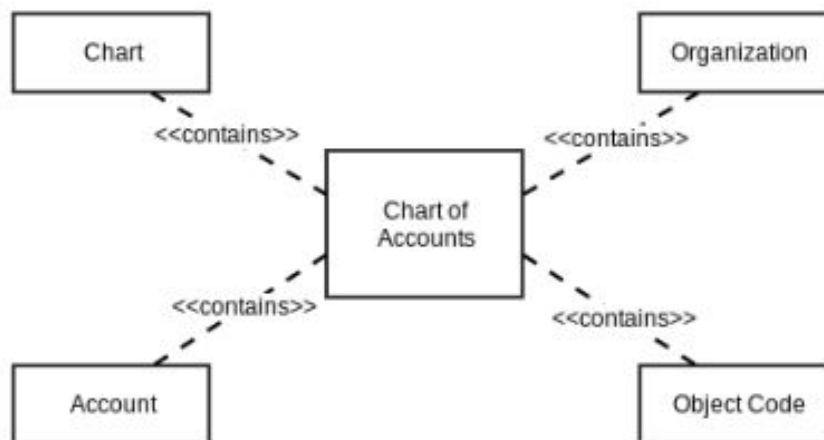
Tables where Transfer of Funds effects a change

FS_DOC_HEADER_T	Financial System Document Header
GL_PENDING_ENTRY_MT	General Ledger Pending Entry (Temporary)

NOTE: Tables ending with ‘_mt’ are not empty tables. They are temporary tables. The abbreviation “MT” means “Move Table”.

Logical Data Model (Class Structure)

Transfer of funds from the source and target accounting lines capture information on Chart of Accounts (COA) information such as the Chart, Account, Organization and Object code. Any transaction in OLE is against the combination of COA rather than the individual account. At least one accounting line from the ‘from’ and ‘to’ accounting lines in the Accounting section are mandatory.



OLE creates the cash object codes automatically except for Object codes specific to Expense Not Expenditure(ES) and Income not Cash(IC) are restricted from usage during the transfer of funds. There are two types of transfers namely mandatory transfers and non-mandatory transfers. The Object sub type codes must be mapped exactly with the same mandatory and non-mandatory transfers in the 'from' and 'to' section respectively.

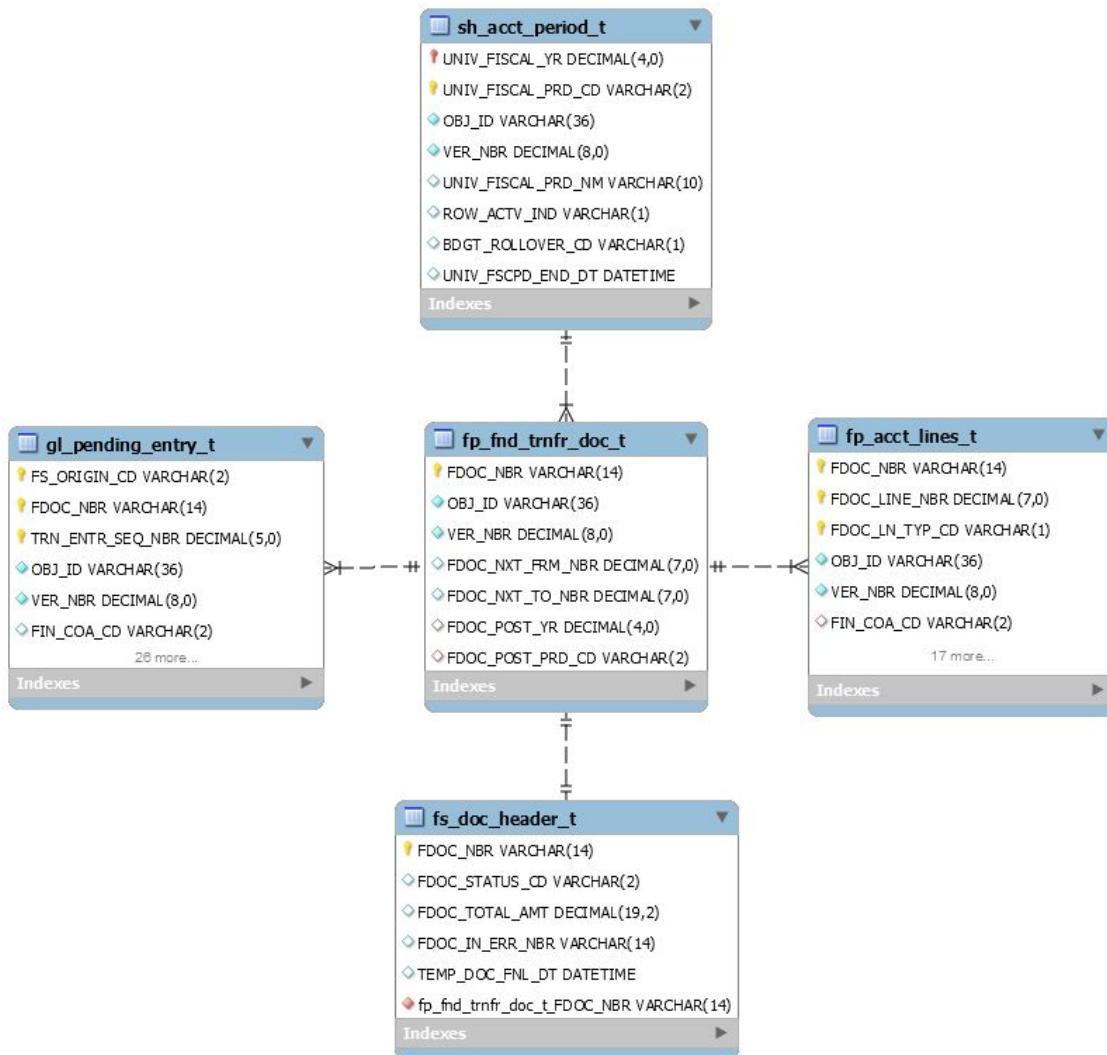
Physical Data Model (Database Schema)

The Transfer of Funds Document (FP_FND_TRNFR_DOC_T) holds the information such as the document number, source and target accounting lines (FP_AACT_LINES_T), chart code, amount to be transferred, etc. The Accounting period table(SH_ACCT_PERIOD_T) is used for mapping the posting year and posting period code for the particular account.

Each TF document has a specific document header that is mapped to the Financial System Document header(FS_DOC_HEADER_T).

All the offset generation to cash or the fund balance object codes are maintained under the General Ledger Pending Entries table(GL_PENDING_ENTRY_T).

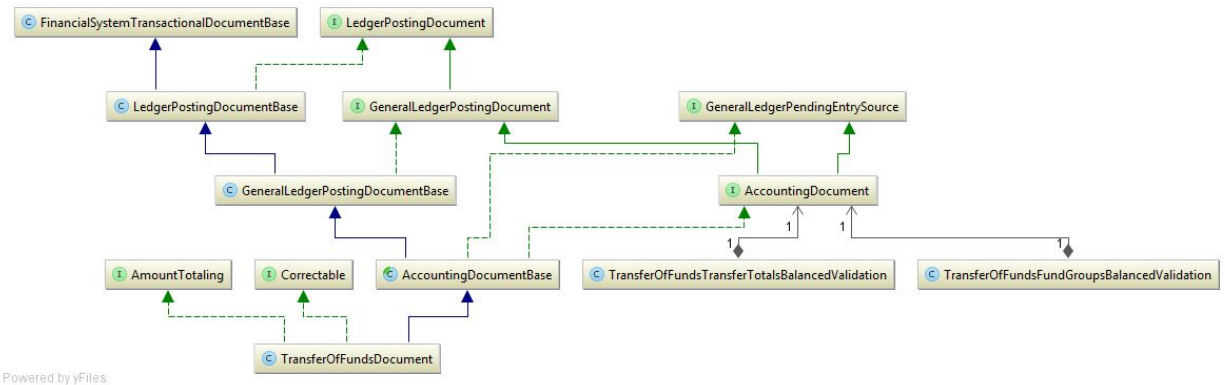
All tables with persistable data constrains two properties by default - Version Number and Object id. This is in order to take advantage of KRAD features. More information can be found in Rice documentation [here](#).



Service Interface Design (Java)

The *TransferOfFundsDocument* class is used for carrying out the transfer between the accounts mentioned in the source and destination accounting lines.

The *TransferOfFundsFundGroupsBalancedValidation* class is used for the validation of the fund groups represented by a given document are in balance. The class *TransferOfFundsTransferTotalsBalancedValidation* is used for checking if the mandatory and non-mandatory transfer totals are in balance.



The business rules for defining constants is given under the *TransferOfFunds DocumentRuleConstants* class. The *TransferOfFundsObject CodeValueAllowedValidation*, *TransferOfFundsTransferTotalsBalancedValidation*, *TransferOfFundsFundGroupsBalancedValidation* and the *TransferOfFundsObjectSub TypeValueAllowedValidation* classes are used for the validation of the object code(either income or expense) and validate if any sub type funds is either mandatory transfer or non-mandatory transfer.

For more information, Javadocs can be found [here](#).

Service Interface Design (SOAP)

Not Available

User Interface Design

The Transfer of Funds document uses KRAD's UIF (User Interface Framework). A very good guide on this can be found [here](#). The Spring Beans XML used in the case of Transfer of Funds document is given by the *TransferOfFundsDocument.xml* and the validation is given by the *TransferOfFundsValidation.xml* under the data dictionary folder.

Data Importing

Not Applicable

Data Exporting

OLE uses a RDBMS backend and hence any data can be exported using simple SQL queries.

Workflow

Transfer of Funds document doesn't have any workflow defined by default. However if needed it can be defined at *OleOptionalModulesParentDocuments.xml* file.

System Parameters

Namespace Code	Parameter Name	Description
OLE-FP	FUND_GROUP_BALANCING_SET	The Transfer of Funds document relies on a balancing check that transfers of funds from agency and clearing funds must balance between the To and From sections. This rule may be updated by configuring the parameter values to hold other Fund Group codes.
OLE-FP	MANDATORY_TRANSFER_OBJECT_SUB_TYPES	Object sub type codes which are used by the TransactionalDocumentRuleBase to determine if an object sub type code can be categorized as Mandatory Transfer. Specifically, this is used by isMandatoryTransferSubType() in the base rule class.
OLE-FP	NON_MANDATORY_TRANSFER_OBJECT_SUB_TYPES	Object sub type codes which are used by the TransactionalDocumentRuleBase to determine if an object sub type code can be categorized as Non-Mandatory Transfer. Specifically, this is used by isNonMandatoryTransferSubType() in the base rule class.

Roles, Permissions and Responsibilities

Permissions and Responsibilities are linked to roles which are in turn linked to Users to give them access to screens and functions.

Permission ID	Permission Name
OLE80166	Initiate Transfer Fund Document
OLE271	Electronic Fund Transfer Action

Role Id	Role Name	Permissions
OLE48	Sub-Fund Reviewer	OLE7
OLE7	Organization Reviewer	OLE1, OLE117, OLE123
OLE41	Fiscal Officer	OLE10060, OLE10061, OLE10062, OLE10110, OLE10111, OLE10071, OLE190, OLE191, OLE198, OLE199, OLE212