MASS CHANGES

SAP® offers several options to perform mass changes to vendor or customer master data, general ledger accounts, orders etc.
One way is to apply the changes directly to the corresponding tables in which the data is stored as for example table **LFA1** and **LFB1** [contain the general and company code specific data]. The advantage consists in the fact that a high number of data records can be updated in one step.
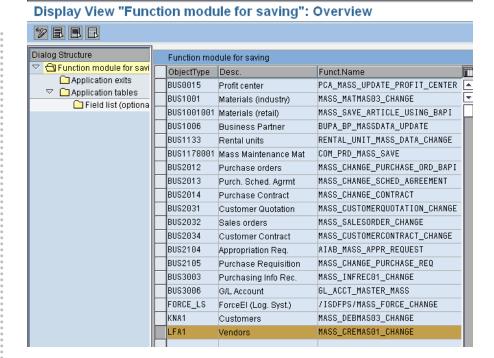
The authorization is generally not supposed to be assigned in a production environment.

In case mass changes are required a dual control principle is to be established as well as additional controls to make sure that data integrity and consistency are guaranteed.

The following configuration is cross-client.
In transaction **MASSOBJ** function modules may be assigned to so-called business objects that support mass changes.
For the business object **LFA1** the function module **MASS_CREMAS01_CHANGE** is assigned.

Display View "Function module for saving": Overview

ObjectType	Desc.	Funct.Name
BUS0015	Profit center	PCA_MASS_UPDATE_PROFIT_CENTER
BUS1001	Materials (industry)	MASS_MATMAS03_CHANGE
BUS1001001	Materials (retail)	MASS_SAVE_ARTICLE_USING_BAPI
BUS1006	Business Partner	BUPA_BP_MASSDATA_UPDATE
BUS1133	Rental units	RENTAL_UNIT_MASS_DATA_CHANGE
BUS1178001	Mass Maintenance Mat	COM_PRD_MASS_SAVE
BUS2012	Purchase orders	MASS_CHANGE_PURCHASE_ORD_BAPI
BUS2013	Purch. Sched. Agrmt	MASS_CHANGE_SCHED_AGREEMENT
BUS2014	Purchase Contract	MASS_CHANGE_CONTRACT
BUS2031	Customer Quotation	MASS_CUSTOMERQUOTATION_CHANGE
BUS2032	Sales orders	MASS_SALESORDER_CHANGE
BUS2034	Customer Contract	MASS_CUSTOMERCONTRACT_CHANGE
BUS2104	Appropriation Req.	AIAB_MASS_APPR_REQUEST
BUS2105	Purchase Requisition	MASS_CHANGE_PURCHASE_REQ
BUS3003	Purchasing Info Rec.	MASS_INFREC01_CHANGE
BUS3006	G/L Account	GL_ACCT_MASTER_MASS
FORCE_LS	ForceEl (Log. Syst.)	/ISDFPS/MASS_FORCE_CHANGE
KNA1	Customers	MASS_DEBMAS03_CHANGE
LFA1	Vendors	MASS_CREMAS01_CHANGE

Dialog Structure
▽ Function module for savi
    Application exits
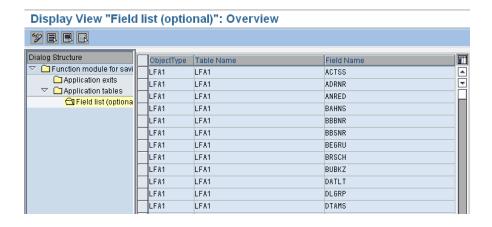▽ Application tables
    Field list (optiona

The tables that are assigned to the business object **LFA1** can be displayed by marking an object and double-click onto the entry *Application tables*.
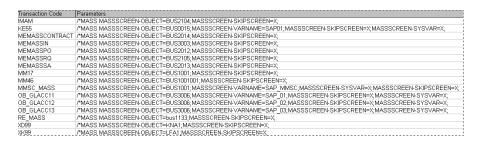
Display View "Application tables": Overview

Dialog Structure
- ▽ Function module for savi
  - Application exits
  - ▽ Application tables
    - Field list (optiona

Application tables

ObjectType	Table	Number	DB Table
LFA1	LFA1	10	
LFA1	LFAS	1.000	
LFA1	LFB1	20	
LFA1	LFB5	1.000	
LFA1	LFBK	1.000	
LFA1	LFBW	1.000	
LFA1	LFM1	1.000	
LFA1	LFM2	1.000	
LFA1	WYT1	1.000	
LFA1	WYT1T	1.000	
LFA1	WYT3	1.000	

By marking a line and clicking onto the entry *Field list* the corresponding fields for the individual tables are listed for which mass changes can be executed.

For table **LFA1** as displayed below altogether 98 fields are available.

Display View "Field list (optional)": Overview

Dialog Structure
- ▽ Function module for savi
  - Application exits
  - ▽ Application tables
    - Field list (optiona

ObjectType	Table Name	Field Name
LFA1	LFA1	ACTSS
LFA1	LFA1	ADRNR
LFA1	LFA1	ANRED
LFA1	LFA1	BAHNS
LFA1	LFA1	BBBNR
LFA1	LFA1	BBSNR
LFA1	LFA1	BEGRU
LFA1	LFA1	BRSCH
LFA1	LFA1	BUBKZ
LFA1	LFA1	DATLT
LFA1	LFA1	DLGRP
LFA1	LFA1	DTAMS

To actually perform the mass changes the transaction **MASS** or a corresponding parameter transaction can be used as extracted from table **TSTCP** in the below table.

Transaction Code	Parameters
IMAM	/*MASS MASSSCREEN-OBJECT=BUS2104;MASSSCREEN-SKIPSCREEN=X;
KE55	/*MASS MASSSCREEN-OBJECT=BUS0015;MASSSCREEN-VARNAME=SAP01;MASSSCREEN-SKIPSCREEN=X;MASSSCREEN-SYSVAR=X;
MEMASSCONTRACT	/*MASS MASSSCREEN-OBJECT=BUS2014;MASSSCREEN-SKIPSCREEN=X;
MEMASSIN	/*MASS MASSSCREEN-OBJECT=BUS3003;MASSSCREEN-SKIPSCREEN=X;
MEMASSPO	/*MASS MASSSCREEN-OBJECT=BUS2012;MASSSCREEN-SKIPSCREEN=X;
MEMASSRQ	/*MASS MASSSCREEN-OBJECT=BUS2105;MASSSCREEN-SKIPSCREEN=X;
MEMASSSA	/*MASS MASSSCREEN-OBJECT=BUS2013;MASSSCREEN-SKIPSCREEN=X;
MM17	/*MASS MASSSCREEN-OBJECT=BUS1001;MASSSCREEN-SKIPSCREEN=X;
MM46	/*MASS MASSSCREEN-OBJECT=BUS1001001;MASSSCREEN-SKIPSCREEN=X;
MMSC_MASS	/*MASS MASSSCREEN-OBJECT=BUS1001;MASSSCREEN-VARNAME=SAP_MMSC;MASSSCREEN-SYSVAR=X;MASSSCREEN-SKIPSCREEN=X;
OB_GLACC11	/*MASS MASSSCREEN-OBJECT=BUS3006;MASSSCREEN-VARNAME=SAP_01;MASSSCREEN-SKIPSCREEN=X;MASSSCREEN-SYSVAR=X;
OB_GLACC12	/*MASS MASSSCREEN-OBJECT=BUS3006;MASSSCREEN-VARNAME=SAP_02;MASSSCREEN-SKIPSCREEN=X;MASSSCREEN-SYSVAR=X;
OB_GLACC13	/*MASS MASSSCREEN-OBJECT=BUS3006;MASSSCREEN-VARNAME=SAP_03;MASSSCREEN-SKIPSCREEN=X;MASSSCREEN-SYSVAR=X;
RE_MASS	/*MASS MASSSCREEN-OBJECT=bus1133;MASSSCREEN-SKIPSCREEN=X;
XD99	/*MASS MASSSCREEN-OBJECT=KNA1;MASSSCREEN-SKIPSCREEN=X;
XK99	/*MASS MASSSCREEN-OBJECT=LFA1;MASSSCREEN-SKIPSCREEN=X;

After calling transaction **MASS** the corresponding business object can be selected that is to be updated via mass change.

Mass Maintenance: Vendors

Object Type	LFA1	Vendors

Variant Name

Tables | Fields

Short Description	Table Name
Vendor Master (General Section)	LFA1
Vendor Master (Company Code)	LFB1
Vendor master (VAT registration numbers general section)	LFAS
Vendor master (dunning data)	LFB5
Vendor Master (Bank Details)	LFBK
Vendor master record (withholding tax types) X	LFBW
Vendor master record purchasing organization data	LFM1
Vendor Master Record: Purchasing Data	LFM2
Vendor Subrange	WYT1
Vendor Sub-Range Description	WYT1T
Partner Functions	WYT3

In a next step the tables as well as the fields are defined that are supposed to be updated.

The authorization object that generally controls the access is the object **B_MASSMAIN**.

Object	B_MASSMAIN	
Text	Cross-Application Mass Maintenance Tool	
Class	AAAB	Cross-application Authorization Objects
Author	SAP	
Authorization fields		
Field name	Heading	
MASSOBJTYP	Object Type	

In the field **MASSOBTYP** the object types are listed for which the mass change is to be performed.
Together with that additional authorizations are required for the actual business object related authorization objects.
This would be for **LFA1** e.g., authorizations on the objects F_LFA1_* [depending on the actually desired change scope].

An overview of business objects is available in table **MASSNAME**; the assignment of tables to objects is stored in table **MASSTAB**.