

IDL Xlslink – Read an export data in MS Excel

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1 USER Support and Technical Support of IDL

Please ask for support if you have any difficulties in understanding or if problems occur. You can get help from our IDL support team.

Contact via telephone (to German landline):

- User Support
- Technical Support

+49 4102-4785-10

+49 4102-4785-11

Contact via e-mail (User Support and Technical support): idlsupport@insightsoftware.com

If you use the e-mail, a new ticket will automatically be created for your request. You will receive a confirmation of receipt with a ticket number. Please always use the reply function in your e-mail program for written queries or when sending further information on the ticket. This is the only way to ensure that your queries and information can be assigned to your ticket.

Documentation

In the installation path of IDL.KONSIS.FORECAST (server installation) you will find the folder "Docu". There you will find documentation in PDF format. All documentations can also be accessed with a web browser via the URL from the IDL Application Server.

Remote access

IDL Quicksupport (TeamViewer) can be found in the Insightsoftware customer portal at the address: https://help.insightsoftware.com/s/?language=de.



Note: You do not need a login to download IDL Quicksupport (TeamViewer). If you need technical documents and installation software, you need a login. If you do not have a login, please contact the technical support.

Your IDL Support

2 Introduction

IDL.XLSLINK is a lean Excel add-in for capturing, providing and evaluating data in interaction with the IDL KONSIS FORECAST database. IDL.XLSLINK is integrated into Microsoft® Excel as an add-in and connects to IDL.KONSIS databases via the IDL.XLSLINK main application. This allows direct access to the data stored in the IDL database.

It can be written from Microsoft Excel into the IDL database and thus into its applications, as well as dynamically and cell-accurately transferred from IDL.KONSIS to Microsoft Excel. Representations and formatting can be individually selected in Microsoft® Excel as usual. In this way, it is possible to simply set up standard forms for individual Group notes, dynamically fill customer-specific evaluation and presentation formats or set up user-specific reporting packages. There are therefore virtually no limits to the customer-specific evaluation and presentation.

Since IDL.XLSLINK works closely with Microsoft® Excel, basic application knowledge of Microsoft® Excel is essential for understanding the IDL.XLSLINK topic.



1.1. Functional scope of IDL.XLSLINK



1.2. Illustrative structure of the application



3 IDL.XLSLINK main application

3.1 Excel register

	IDL Xlslink ma	ainapplication	_ = ×
Excel	Information #		
(New 1) (New 2) Open			
Excel -> Extras			
IDL Konsis			
Settings			
IDL XIslink	Server connection	IDLDB	

- 1) New: Clicking the button creates a new Excel file.
- 2) Open: This selects an existing Excel file to open via the directory window.

3.2 Excel register -> Extras

	IDL XIslink	mainapplication	
Excel	Information	#	
Excel -> Extras			
Install Excel-AddIn 1)			
Remove Excel-Addin 2)			
Convert document 3)			
Convert documents (batch) 4)			
IDL Excel-Password (File name) 5)			
IDL Konsis			
Settings			
IDL XIslink	Server connect	ion IDLDB	

1) Install Excel Addin: To be able to use IDL.XLSLINK, the AddIn must be installed once after the first program start.

2) Remove Excel AddIn: Uninstallation is also possible.

3) Convert documents: enables the conversion of individual files, which can be selected in the following dialog. Click "OK" to start the conversion.

Tables that have already been created with the IDL.Connector must be converted to be IDL.XLSLINK-compatible. During the conversion, the IDL.Connector formulas are replaced by IDL.XLSLINK formulas. In addition, a backup copy of the original file is created and marked with ".001" at the end of the file name, provided that no other file type has been set for this extension in the control panel. Existing results are not transferred. To do this, the tables must be converted and then unpacked in Excel.

4) Convert documents (batch): allows the simultaneous conversion of all folders in one folder. For this purpose, the folder in which the workbooks to be converted are compiled must be selected at this point. The conversion is started by entering "OK."

	IDL XIslink mainapplication		_ = ×
Excel	Information	#	^
Excel -> Extras	Monatsbericht!IDL_M_Uebersetzung: 95/95	1	
r ⁴ a	Convert Cell-Value (IDL_M_Uebersetzung)	1	
in stall French Addle	Convert Format: Cell-Value (IDL_M_Uebersetzung)	0	
Install Excel-Addin	Save:	0	
Demons Freed Addie	Monatsbericht!Daten: 6/6	1	
Convert document Convert documents (batch) Convert documents (batch)	Worksheet Tochterges	о 1 - Мо	6%
IDL Konsis			3%
Settings	-		
IDL XIslink	Server connection IDLDB		

If the conversion is completed successfully, the following message will appear:

	IDL Xislin	ık m	ainapplication	_
Excel	Information	#		
Excel -> Extras				IDL Konsis X
Install Excel-AddIn Remove Excel-AddIn Convert document Convert documents (batch) IDL Excel-Password (File name)				Application finished without errors OK
IDL Konsis				
Settings				
IDL XIslink	Server conn	ection	IDLDB	

IMPORTANT: Do not work in any (!) Excel worksheet during the conversion, as Excel is controlled remotely. Any action in the Excel tables will lead to an error message during conversion.

During conversion, the IDL.CONNECTOR formulas are replaced by the IDL.XLSLINK formulas, i.e. "IDLSetData" becomes "IDLSetValue" and "IDLGetData" becomes "IDLGetValue." The conversion of the Excel files can also cause a different behavior of certain IDL.XLSLINK references compared to those of the IDL.CONNECTOR.

Values with a positive or negative sign are displayed in XLSLINK based on selected balance sheet/P&L indicators:

- For the balance sheet/P&L indicators '1,' '4,' '5,' '6' and '9,' debit amounts are shown as positive values and credit amounts as negative values.
- For the financial statement indicators '2,' '3,' '7' and '8,' credit amounts are shown as positive values and debit amounts as negative values.

The following rules apply for determining this balance sheet/P&L indicator:

- 1. If you specify a position in conjunction with a report ID in the formula, the balance sheet/P&L indicator applies to the highest of the items superior to it in the report structure (analogous to the display in the report).
- 2. If you specify a position without specifying a report ID in the formula, the balance sheet/P&L indicator applies to this position.
- 3. If you do not specify a certain position (chart of positions and position number), the default rule in point 5 applies.
- 4. If you do not specify a position, but a unique account in the formula, the balance sheet/P&L indicator for this account applies.
- 5. Without determining a balance sheet/P&L indicator according to the previous points, the display is the same as for balance sheet/P&L indicator '1': Debit amounts are shown as positive values and credit amounts as negative values.

If no balance sheet/P&L indicator can be determined because neither a unique position nor a unique account exists (for example, account number specification with placeholder "%," selection according to transaction development), debit amounts will be shown as positive values and credit amounts as negative values. This procedure is used if a chart of positions, a chart of accounts, and an account number, but no unique position, are specified in a read reference. If the account is assigned to several positions, debit values will generally be displayed as positive and credit values as negative.

5) IDL Excel password (file name): During batch processing, converting password-protected workbooks can be very time-consuming. To enable full data protection despite the automated process, the password/passwords (one sheet for each password) can be stored in an empty file. This file is read in via the button "IDL Excel password," so that the files to be converted can be decrypted automatically.

3.3 IDL.KONSIS register

	IDL XIslin	k m	ainapplication	_
Excel	Information	#		
Excel -> Extras				
IDL Konsis				
Login Disconnect Check connection Check connection State Check state Check connection Check				
Settings				
IDL XIslink	Server conne	ection	IDLDB	

3.3.1 Login

	IDL Xlslink ma	inapplication		_
Excel	Information		#	
Excel -> Extras	You are not longer co	nnected to a database	1	
IDL Konsis	Login		37	
Login Disconnect Check connection Check		An D Benu	atenban tzernam Passwo Ok	<pre>- × lung k xlslink_master e idladmin rt Abbrechen Optionen</pre>
Settings				
IDL XIslink	Server connection	IDLDB(LoginRunning	XLSLIN	K_MASTER)

1) This establishes a connection to the IDL.KONSIS database. If only one database has been entered in the "settings" tab, the IDL.KONSIS logon takes place immediately.

2) If several databases have been entered, the desired database must be selected, and the login data must be entered.

3) Display of the active server connection. IDL.XLSLINK can be used as soon as the connection is displayed in the bar.



3.3.2 Disconnect – check connection – state – reset

1) **Disconnect**: The connection to IDL.KONSIS databases can be disconnected here.

2) Check connection: You can test whether a connection exists now. The note "True" indicates that there is an existing connection.

3) State: gives an overview of the connected databases.

4) Reset: The open requests are reset. The running processes are terminated.

3.3.3 Load settings - reset settings / value cache

	IDL XIslink mainapplication	
Excel	Information	#
Excel -> Extras	idldbSTBSL	0
	Chart of accounts/contr.obj. codes - OK	1
IDL Konsis	Country codes - OK	1
0	Currency codes - OK	1
Login	Company data - OK	1
(Ö)	Groups/sub-groups - OK	1
Disconnect	Chart of positions/Report column options - OK	1
0	Posting keys - OK	1
Check connection	Transaction column - DataReceiving	106
State Reset Load settings Reset cache Control Control Cont		
Settings		
IDL XIslink	Server connection IDLDB	

1) Load settings: When you click on the button, all master data will be loaded into the cache outside Excel.

2) Reset settings / value cache: The data of the dropdown-boxes to select data from IDL Konsis will be deleted in the value cache and refreshed.

3.4 Settings register

	IDL XIslink mainapplication	_
Excel	Information	#
Excel -> Extras	(IDLDB) Connection to Konsis: True / (IDLDB) Connection from Konsis True	1
IDL Konsis		
Settings		
Application 1) Open inifile 2) Open Solder 3)		
IDL XIslink	Server connection IDLDB	

1) Application: Clicking the button opens another "Settings" window in which the application can be controlled. The individual options are explained in the following subchapters.

2) Open the INI file: Opens the initialization file (.ini).

3) Folder: Opens a directory containing, in addition to the INI file, the cache folder, the LOG folder and the XML folder. If logging is activated, the log files will be stored in the LOG folder (see also subsection 2.4.2 number 3 log level settings). These are not relevant for the IDL.XLSLINK user, but helpful for the IDL hotline for troubleshooting purposes.

3.4.1 Settings overview

		Einstellunge	n 3.	4.2. General Setting	s	_ = ×
Java & Konsis Addin & Exce Konsis Startordner [Pfad zum Konsis-Client Konsis INI-Datei %id Pfad zum Java-JRE Log-Level Einstellungen V Kein Konsis-Splashscreer	I webini%		Verbindungsmod Sprache DEU Prüfen: Extern	lus H		
Vorbelegung Saldenoption (Einzelabschl. Saldenoption Währungskennzeicher Modu: Systen Umsetzgruppe 3.4.2. Preferenc)	System lieferbatch_lfd idlkonsis IDLDB 3.4.4. Databa	Datenbank lieferbatch_lfd idlkonsis xlslink_master	gen Löschen	Abbrechen	Ende

3.4.2 General settings

	Java & Konsis AddIn & Excel						
1)	Konsis start folder						
2)	Path to Konsis-Client						
3)	Konsis INI file	%idlwebini%					
4)	Path to Java-JRE						
E1		7) Connect mode					
2	Log level settings						
6)	No splash screen v	while logon 8) Language ENG					
		9) Check: external links					

1) Konsis start folder: Specification of the installation path of IDL.KONSIS relative to the XIslink installation folder. Entry only necessary for client installation, not when starting via the web browser.

2) **Path to Konsis Client** : Specification of the installation path of the IDL.KONSIS client. Must only be entered if it differs from the IDL.Konsis installation.

3) **INI file used**: Specification of the currently used INI file. Further information on the path in IDL.KONSIS under Help -> Info. Entry only necessary for client installation, not when starting via the web browser.

4) **Path to Java JRE** : Specification of the installation path of the Java JRE of the IDL.KONSIS client. Can be left empty. Then the path of the Web-Start_Launcher or the IDL.KONSIS installation is used.

5) **Log level settings**: Clicking on the button opens a window where additional logging settings can be entered. For a thorough investigation of a problem by the IDL developers, logs may be required. In this case, these files are requested by the hotline staff.

		Set	tings			_ = ×
Java & Konsis Addlr	& Excel					
Konsis start folder	.1.1.1					
Path to Konsis-Client						
Konsis INI file	%idlwebini%					
Path to Java-JRE						
Log level settings			Log level settings			×
✓ No splash screen	while logon		Logging From/To Konsis	Java-Log		
Preferences FS- CF- Curren Transformatio	BalaOpt BalaOpt hcy code Mode System on group	System lieferba idlkonsi IDLDB	Log level Excel Addin WARN ~ OK Cancel	Log level ma WARN	v	
			Insert	Delete	Cancel	Exit

To create the logs, a check mark is set in this window, the type of logging is selected and confirmed with OK. In the second step, any logging protocols that may already exist must be deleted (see also Chapter 2.4 Tab Settings). Subsequently, the failed function is triggered or the workspace that does not function as expected is updated. Small amounts of data, often only one cell, are sufficient to determine the cause. Afterwards, the tick is removed again and the protocol function is deactivated in order not to cause unnecessary performance restrictions. The written protocols are to be forwarded by e-mail to idlsupport@insightsoftware.com.

6) No Konsis splash screen at logon: Suppresses the display of the Konsis client splash screen at logon.

7) Connection mode: Only the option H can be selected: "H" stands for Https, access to application server (local server instance or cloud) required. This entry cannot be changed at web start (display greyed out).

8) Language: Control of the national language shown on the interface. A change is always carried out at the next start of IDL.XLSLINK.

9) Check: External links: the switch checks the reference to external links in the Excel workbook. If the switch is set, when opening an Excel table with cell references to other Excel tables, it is immediately checked whether these links still exist and, if necessary, an error message is issued.

	Einstellun	gen				_
Java & Konsis AddIn & Excel						
Hilfs-COM-Addins						
10) IDL XIslink COM-UI-Ribbon (IDL.XLSLINK.ExcelD	naRibbon)					
Vorbelegung	System	Datenbank				
Saldenoption (Einzelabschl.)	lieferbatch_lfd	lieferbatch_lfd				
Saldenoption	idlkonsis	idlkonsis				
Währungskonnzeichen	IDLDB	xlslink_master				
Madua						
System						
Umsetzgruppe						
			Einfügen	Löschen	Abbrechen	Ende

Settingd

10) XIsLink COM-UI-Ribbon: The switch controls the display of the menu of IDL.XLSLINK in Excel as a separate ribbon menu (dynamic COM object) or in the conventional menu "Add-Ins".

3.4.3 Preferences

In IDL.XLSLINK, the default values are basically copied from IDL.KONSIS from the VOR application. Certain fields do not exist in this application, with the consequence that the data must be maintained in every input template. IDL.XLSLINK supports the user with additional fields in the "Preassignment" window. The entries in the mask are used when the files are opened.

Preferences			
FS-BalaOpt	ALT	1)	
CF-BalaOpt	KTK	2)	
Currency code	LW	3)	
Mode	S	4)	
System	IDLDB	5)	
Transformation group	GESUMS	6)	

1) Balance option (individual financial statement): There are three usual balance options to choose from: ALT/BUC/NEW (the individual values are explained in subsection 4.2.5 Account balances).

2) Balance option: Four options are available: SUM/KON/KONO/KTK. (The individual values are explained in subsection 4.3.1 Account balances).

3) Currency code: One of the five variants can be selected: LW for country currency, KW for Group currency, PW for parallel currency, TW for transaction currency, TWKZ for transaction currency flag.

4) Mode: the following modes are defined S/M/C (the individual values are explained in sub-section 4.1.4 'Mode' field).

5) System: If a database is used permanently, we recommend that you enter it here.

6) Transformation group: In the case of direct export, the same possible uses are offered that exist in IDL.KONSIS for the IMPORT application.

3.4.4 Databases

	Set	tings				_ = ×
Java & Konsis AddIn & Excel Konsis start folder Path to Konsis-Client Konsis INI file %idlwebini% Path to Java-JRE Log level settings ✓ No splash screen while logon	****	Connect r Language	node H ENG external links	*****		
			· · · ·	ARRAN	1. A.	
	1)	2)	3)	4)	5)	
Preferences FS-BalaOpt CF-BalaOpt Currency code Mode	1) System lieferbatch_lfd idlkonsis idldb	2) Database lieferbatch_lfd connecto xlslink_master	3) Start folder	4) Used INI file	5) Connect m	

1) System: The system can be renamed at will here. This applies only to the name used for processing in the IDL.XLSLINK formula. This freely selectable name is independent of the database name (point 2).

2) Database: Entry of the actual database to which a connection is to be established.

3) Start folder: Entry of a different installation folder if a different IDL.KONSIS installation from the start folder is to be accessed for this database.

4) Used INI file: Entry of a different INI file only for the current connection.

5) Connection mode: Since only the option H can be selected ("H" stands for Https, access to application server, local server instance or cloud), this column is currently not used.

Columns 3) - 5) can be shown or hidden by double-clicking in the space next to the database table:

	Sett	ings			_
Java & Konsis AddIn	& Excel				
Konsis start folder	.1.1.1				
Path to Konsis-Client					
Konsis INI file	%idlwebini%				
Path to Java-JRE					
Log level settings		Connec	t mode H		
No splash screen v	while logon	Langua	ge ENG		
Preferences		System	Database		
FS-I	BalaOpt	lieferbatch_lfd	lieferbatch_lfd		
CF-I	BalaOpt	idikonsis	connecto		
Curren	cy code	IDLDB	xisiink_master		
	Mode				
Transformatio	System n group			Doubleclick here	
	(5) Insert	Delete	Cancel Exit	

6) Insert button: This button can be used to connect a new database to the IDL.XLSLINK. An additional row will be inserted, into which the new database can be entered.

Delete button: This can be used to remove a database from the menu.

Cancel button: The Settings application closes without saving any changes made.

Exit button: Closes the application and saves changes made.

3.5 IDL.XLSLINK register

	IDL XIslink mai	inapplication	×
Excel	Information #		
Excel -> Extras			
IDL Konsis			
Settings			
IDL XIslink			
1) Exit 2) Information about IDL XIslink			
	Server connection	IDLDB	

- 1) Exit: terminates the application IDL.XLSLINK.
- 2) Information for IDL.XLSLINK: shows information about installing the application:

Description	Information
Application	IDL XIslink (MainApp)
Valid for IDL Konsis version	23.1
.NET Version	3.5 (CDF, v2.0.50727, v3.0, v3.5, v4, v4.0)
Version IDL.XLSLINK.exe	23.1@, Commit: c7e0112a / Build: 8453.16831 (22.02.2023)
AppData/LOG	C:\Users\clasen\AppData\Roaming\IDL\IDL.XLSLINK\LOG\
Used INI file	C:\Users\clasen\AppData\Local\IDL\XLSLINK\x64\%idlwebini%
Java	"C:\Users\clasen\AppData\Local\IDL\idlLauncher\jre17.0.4_3" +"\"+ "bin" +"\"+ "javaw.exe"
Connect mode	Application server HTTPS (H)
WEBSTART	active
Addin	File: C:\Users\clasen\AppData\Local\\DL\XLSLINK\x64\\DLAddIn\\DL_ExcelDna.xll
# NamedPipe-Connections	2
KonsisClientVersion	20230220-195053#1786#b08044c613e57e9f826accecfa4
KonsisServerVersion	XXX
Installation note (PDF)	C:\Users\clasen\AppData\Local\IDL\XLSLINK\Documentation\
Client	C:\Users\clasen\AppData\Local\IDL\idlLauncher\appserverqs_idl_local_8447\xlslink\client_167
IDLDB	xlslink_master
ExportPathFromKonsis	C:\Users\clasen\IDL\IDLPlus\batch\
DbStructures	22.3
DbMetadata	22.3
ProgramsVersion	22.3
ProtocolVersion	Konsis: [R;CpV1Grp1,CpV1Sng1;][M;;][E;;] / AddIn: ??? / Used: ???
JarVersionBuildld	-no jar file-
JarClientVersion	20230220-195053#1786#b08044c613e57e9f826accecfa4
Session	JSESSIONID=node0234rh4ysa71s1cl21muet21uu22.node0
User	CLASEN2
DbName	xlslink_master

4 IDL.XLSLINK functions in Excel (Add-In)

4.1 Tab IDL.XLSLINK

4.1.1 Structure of the input mask in the IDL Formula

문 '〉~ 옷 ~ ㅋ Mappe2 - Excel Start Einfügen Seitenlayout Formeln D	Daten Überprüfen Ansicht	Hilfe	Suchen					
2) Formula Seconcel Display information Ty Se	lected Range Field/Listbox + P orksheet Log U orkbook	ack ¥ npack '	 ✓ Selected Range Res ✓ □ Worksheet File □ Workbook 	et Pao → IDL Fiel	nullcharacters Options (cellcontent) ~ Excel-Password IDL Clipboard ~ d/Listbox ~ Extras ~	DL XIS	link mainapplication ~	
IDL XIslink	Refresh	Archives	s Export		Tools			
$\sim : \times \checkmark f_x$								
A B C D	E E G		нііі				N O	P
IDL Formula - Read function: Acc	counts ₂₎							- 0
- ■ Read function (From IDL Konsis)	System	т)	Mode	т		Þ
e-≣ Masterfiles 4)	3)	_				_		
Or Accounts Or Controlling objects	Charl of country		[
- @ Groups/Sub-groups	Chart of accounts	-			Account	-		•
Company data Business units	Chart of positions code	Т		1	Position	Т		Þ
O company+business unit allocations	Language code	Т		1	Balance sheet/Profit Loss code	Т		Þ
O Transaction development								
Columns of transaction development	Chartman				Transation development			
Posting keys Resitions	Short name	-			Iransaction development	-		•
-@ Currency codes	Flag	Т		1	Transaction development/PL	Т		Þ
- © Country codes	IC details	Т		1	Validation of IC details	Т		Þ
Facts Amount indiv finan statements	Reposting at carry forward	т			Consolidation function	Т		
Amount consolidated financ.statem.	Valid from		[-		
E- Export function (To IDL Konsis)	Valid from	-		- '	Valid until	-		,
 ⊕- Masterfiles ⊕- Amount indiv.finan.statements ⊕- Amount consolidated financ.statem. 								
	+/- contr.dim.1	Т		1	+/- contr.dim.2	Т		Þ
	+/- contr.dim.3	Т			+/- contr.dim.4	Т		Þ
	+/- contr.dim.5	Т		1	+/- contr.dim.6	Т		Þ
	+/- contr.dim.7	т		1	+/- contr.dim.8	т		Þ
	+/- contr.dim.9	т		1	+/- contr.dim.10	T		Þ
	Field definitions	т						
	Field definitions		1					•
5 Information					6) 🖷	Ex	celcells Cancel	OK

1) IDL Formula: this button creates a window in which the formula can be built up.

2) Headline: Shows the currently selected application

3) Input fields: Each input mask consists of several selection fields that are relevant for the current application. The number of selection fields depends on the application selected and varies.

4) Selection tree: The selection tree is used to navigate between the applications. The selection is divided into two blocks: "Read function (From IDL.KONSIS)" and "Export function (To IDL.KONSIS)". Each block contains three areas: master data and control data, individual financial statement and Group financial statement. Individual applications are attached below it.

5) Information row: displays the active cell in the Excel folder.

6) Caching: The information stored in the cache for this application can be deleted.

4.1.2 Input options in the input mask of the IDL Formula

4.1.2.1 Drop-down box

Many fields have a drop-down box in which the desired field content can be selected from the choices offered:

Read function (From IDL)	System	Т	IDLDB -	Mode	T		Acco	unt (Chart of a	counts	='GES001')			
O Accounts Ontrolling objects	Chart of accounts	TG	GES001 *	Account	T		Accou	nt Short nar	e Des	cription		-	
Groups/Sub-groups	Chart of positions code	T		Position	TIT		12010	Invoctmont	Inuo	tmonte in acconiated o	ompanior		
Company data	Language code	TIC		B/S+P/Lood	TIT		13010	Goodwill o	Goo	twill consolidation	ompanies		
Business units							13012	Goodwill c	G00	twill consolidation			
 Company+business L Transaction doubloop 	Charl name			Transaction development	Tella		13013	Goodwill c	Goo	dwill consolidation			
-@ Columns of transactiv	Short harrie			Transaction development			13510	Other inve	Othe	r investments			
Posting keys	Flag		- In	ansaction development/PL	· <u> </u>	· ·	14010	Loans to p	Loar	is to participation comp	anies		
Positions	IC details	Т	•	Validation of IC details	T	•	15010	Long term	Long	term investments			
—@ Currency codes	Repost.CF	T		Consolidation function	T		16010	Other loan	Othe	r loans			
Country codes	Valid from	T		Valid until	TI	•	1TEST	Kontotext1	Kont	otext1234567890 2345	67890123456	7890Kontote	kt1234567890
-@ Facts							20010	Raw mater	i Raw	materials			
Amount indivitinan state							20020	Manufactu	r Man	ufacturing supplies			
Export function (To IDL Kr							20030	Supplies (Sup	olies (energy,)			
Masterfiles	+/- contr.dim.1		•	+/- contr.dim.2		· ·	21010	Work in pr	Wor	k in progress		_	
Amount indiv.finan.state	+/- contr.dim.3	Т	•	+/- contr.dim.4	T								
a Mount consolidated fir	+/- contr.dim.5	T	*	+/- contr.dim.6	T	•	Data r	ows read: 474			Mode	Cancel	OK
	+/- contr.dim.7	T		+/- contr.dim.8	T								
	+/- contr.dim.9	TI		+/- contr.dim.10	TIT								
Information				25	Exce	Icells Cancel OK							

4.1.2.2 Manual input

The entry can be made manually:

Account	10000		Þ
Account	10000		r

4.1.2.3 Excel name cell

If the Excel cells have been given names, the cell name can be entered manually in the field:

Read function (From IDL I	System	Т	IDLDB *	Mode	Т	S	_
⊨ ■ Masterfiles							
Controlling objects	Company	fx	GES	1			
Groups/Sub-groups	Chart of accounts	Т					
Company data	Currency	т	· · ·				
Business units	Country	T		Language code	ТГ		
Transaction developm	Valid from	T		Valid until			
Columns of transaction	Valid Hom	-		Valid anti	<u> </u>		
Posting keys	VAT identification number	т		Commercial register	TI		
Positions	VAT Identification number	-		Commercial register			
Currency codes	I ype of company	_	· ·	CommReg No	<u> </u>		
Facts	Legal form	Т		Tax identification number	Т		
🖶 🖬 Amount indiv.finan.state							
Amount consolidated fir	Field definitions	Т					
Export function (To IDL Ko	Cell-Reference	Τ					
Amount indiv finan state							
Amount consolidated fir	Licence company type KONSIS	Т					
	Licence company type FORECAST	Т	·				
	LCompTXLS	Т	· · ·				

4.1.2.4 Working with cell references

It is possible to store cell references in all fields. The contents of an Excel cell can thus be transferred directly to the field in the input mask. Cell references can be inserted into the relevant field as follows:

a. Manual entry

The desired data is entered directly into the input field:

IDL Formula - Read fun	ction: IC-account balance	es						x
🖃 🖬 Read function (From IDL I	System	Т	IDLDB	L.	Mode	Т	S	
	Currency	Т	LW	L.	Balance option	Т	ALT	
Account balances								
IC-account balances								
Controlling balances	Group/Sub-group	Т		L				
Capital transactions	Company	Т	001	L.	Business unit	Т		•
Inventories IC-stocks	Closing date actual period	Т	12.2018	L.	Fact	Т	14	-
Provision transaction	Chart of positions code	Т		-	Position/item No.	Т		•
Snarenoiding/particip Additional developme	Chart of accounts	Т		-	Account	Т		•
 Position balances ex 	Balance sheet/Profit Loss code	Т		L	Validation of IC details	Т		•
GUIDE Check Sums	Debit/credit code	Т		L	Consolidation function	Т		•
Margin of products					clearing flag	#		
Export function (To IDL Ko	Intercompany	Т		L.	IC-business unit	Т		h
	Currency code of transaction	Т		L.	Trans.Dev.	Т		h
	number of reference voucher	Т			VoucherDat	Т		
	Alloc.chart of accounts	Т		L.	Alloc.account	Т		-
	ChaCostCen	Т			Controlling object1	Т		L
						Exce	elcells Cancel	ОК

b. Via the IDL.XLSLINK function "Excel cells" (via context menu)

Step 1) Click on the input field with the right mouse button and select "Excel cells":

IDL Formula - Read fun	ction: IC-account balanc	es				
Read function (From IDL) Masterfiles Amount indiv.finan.state Account balances C account balances	System Currency	T T	IDLDB ·	Mode Balance option	T T	S · · · · · · · · · · · · · · · · · · ·
Controlling balances General transact Capital transactions	Group/Sub-group Company	T T		Business unit	т	· · · · · ·
Inventories IC-stocks Provision transaction	Closing date actual period	Т	12.2018	Fact	Т	<u> 4</u>
Shareholding/particip Additional developme	Chart of positions code Chart of accounts	T T		Position/item No. Account	T T	
Position balances ex GUIDE Check Sums	Balance sheet/Profit Loss code	T		Validation of IC details	Т	
Exchange rates Margin of products Amount consolidated fire	Debi/Credit Code	_	Lk	clearing flag	#	
Export function (To IDL Ko	Intercompany	Т		IC-business unit	Т	k
Amount indiv.finan.state	Currency code of transaction	Т	<u>ــــــــــــــــــــــــــــــــــــ</u>	Trans.Dev.	Т	<u>ــــــــــــــــــــــــــــــــــــ</u>
a amount consolidated fir	number of reference voucher Alloc.chart of accounts	T T		VoucherDat Alloc.account	T	· · ·
	ChaCostCen	Т		Controlling object1	Т	×
I Information				1	Exce	elcells Cancel OK

Step 2) The window is minimized in order to allow a free view of the available file. The desired Excel cell is marked and confirmed by clicking on the "Apply" button:

01									
С	D	E	F	G	H		J	К	L
001									
	-								
									- • ×
		IDL FO	rmula - Re	ead functi	on: IC-acc	ount bala	inces		
					C1		Ap	ply	Cancel

Datei Start	Einfügen	Seitenlayout Forr	meln Daten	Überprüfen Ansie	ht Hilfe	DL X	slink																ť
N IDL Formula	a 🙁 Cancel	Display information	Vorkshee	Range Field/Listbox∽ t Log k	Pack v Unpack	- P	Selected Rar Worksheet Workbook	nge Reset File •		Pad nullchar DL Excel-Pa iield/Listboa	acters ssword	Options (c IDL Clipbo Extras ~	eliconten vard v	nt)∽ IDL	Xislink ma	inapplicat	ion ~						
	IDL XIslin	k	1	Refresh	Archive	es	Expo	rt	1				Tools										
) = [X 🗸	<i>f</i> x 14																					
A A	8	C I	DE	F	G	н		1	J		К	L		м	N		0	Ρ		Q	R	S	т
1 2 3 4	Company Period FACT	001 12.2018 14	IDL Form	ula - Read fun	tion: A	Accoun	it balan	ces															×
5	Chart of Acc	KON001	□ I Read fun	ction (From IDL Konsi	5)			System	Т	IDLDB				×.			Mod	e T	S			Þ	
7	Account	02010	Imaster Initial Initial Initia	nt indiv.finan.statemer	its		(Currency	Т	LW				Þ		E	alance optic	n T	ALT			Þ	
8 9 10 11	Amount		-0 A0 -0 Co -0 Fo -0 Ca	count balances account balances introlling balances ked assets transaction ipital transactions	5		Group/Su	ıb-group	T	[Þ									
13			-@ Inv	entories IC-stocks			с	ompany	fx	C2				×.			Business ur	it T				Þ	
14			-@ Sh	areholding/participatio	nı	Closing	g date actua	al period	fx	C3				- F			Fa	ct fx	C4			Þ	
15			-@ Ad	ditional development t sition balances ex rec	ra oi	Chart	t of positio	ns code	Т					Þ		Pos	sition/item N	р. Т				Þ	
17			-@ Gl	JIDE Check Sums			Chart of a	iccounts	Т					Þ			Accou	nt T				Þ	
18			-0 EX	argin of products	Bala	ance shee	t/Profit Lo	ss code	Т					Þ		Del	bit/credit coc	le T				Þ	
20			Evnort fu	nt consolidated financ oction (To IDL Konsis)	.\$			Flag	Т					Þ			IC detai	s T				Þ	
21			E Expertite			Transa	action deve	lopment	Т					Þ	Transa	action de	velopment/F	LT				Þ	
23						Allo	c.chart of a	iccounts	Т					Þ			Alloc.accou	nt T				Þ	
24							Rep	ort ident	Т					Þ									
26																							
27							Post	ting type	Τ					Þ	Postin	g affecti	ng net incom	e T				Þ	
28						Vo	ucher class	ification	Τ					Þ		0	Deferred taxe	s T				Þ	
30							Vou	cher No.	Τ							Post	ing record N	D. T					
31																							-
33 34 35		[Information	24	_				,				,	_		_	75	Exce	cells	Cancel	ОК	

With the help of the function key <F4>, the information in the cell references (e.g. C4) can be modified in the references with regard to the fixing of columns and rows during copying (e.g. "C4" \rightarrow "\$C\$4" \rightarrow "C\$4" \rightarrow "C4").

Alternatively, the "Excel cells" button at the bottom of the window can be used. To do so, the cursor is clicked into the input field and the button is selected:

Company Period FACT	001 12.2018 14	IDL Formula - Read function	on: Account balances							-
Chart of Ac	KON001	B a Read function (From IDL Konsis)	System	т	IDLDB.	*	Mode	T	s	
Account	02010	Amount indiv finan statements	Currency	T	IW.	•	Balance option	T	ALT	
Amount		O Account balances O IC-account balances O Controlling balances O Ford assets transactions								
		Capital transactions	Group/Sub-group	T		•				
		Inventories IC-stocks Provision transactions	Company	fx	C2	*	Business unit	T		
		Shareholding/participation:	Closing date actual period	fx	\$C\$3	*	Fact	fx	1	
		Additional development tra Desition balances av range	Chart of positions code	T		+	Position/item No.	T		
		- @ GUIDE Check Sums	Chart of accounts	T		F.	Account	T		
		O: Margin of products	Balance sheet/Profit Loss code	T		+	Debit/credit code	T		
		Amount consolidated financis	Flag	T		•]	IC details	T		
		Export function (To IDL Konsis)	Transaction development	T		•	Transaction development/PL	T		
		-	Alloc chart of accounts	T		*	Alloc account	T	-	
			Report ident	T		•			-	
			Posting type	17		+	Posting affecting net income	T		
			Voucher classification	T		E.	Deferred taxes	 T		
		1	Voucher No.	1			Posting record No.	T		

4.1.3 Input conventions in the IDL Formula

Art der Eingabe	Modus	Beispiel
Textkonstante	Т	KON001, H4, 12.2014
Zahl	#	1, 100, 5100
Excel Formel	fx	=SUMME(A1:A5)
Zellbezug	fx	A4, \$B5, A\$1

4.1.4 Display information

Displays general information about connection setup, processing, and error messages. When you double-click on the error message, the system jumps to the incorrect cell:

Datei	Start	Einfügen	Seite	enlayout	Formeln	Daten	Überprü	ifen Ans	icht Auto	matisi	eren	Entwicklertools	Hilfe	IDL Xlslink	
🛃 IDL F	ormula 🤅	🖲 Cancel Dis	play info	rmation	🌮 Selected Ra	ange Field/	Listbox ~	Pack ¥	🐬 Selected	Range	Reset	Pad nullcharacters	Options	(cellcontent) ~	IDL XIslink
					1 Worksheet	Log		Unpack 🗸	🗉 Workshe	et	File 🗸	IDL Excel-Password	IDL Clipt	ooard ~	
					Workbook				Workboo	ok		Field/Listbox ~	Extras ~		
		IDL XIslink			F	Refresh		Archives	Ex	port				Tools	
D84	.	: × .	∕ £												
004			·		5						-				
60		С	-	-	1 614 00						F				
00			- 1		-1.014,00										
69					-850,00	EAKTOSAL	L: OK								
70			- 1		- /64,00	Debit/cre	dit code in	records mi	ist be differe	nt (K		Account (KTO)	1		
71			- 1		-200,00	EAKTOSA		records mu	ist be differe	ni (Ki	JIN0037E) Account (KTO)	_		
80			- 1		-300,00	EAKTOSAL	L. UK								
81			•												
82			_										_		
83		1 - A - A - A - A - A - A - A - A - A -										□	×		
84					Displa	ay infoi	rmatior	1				· · · · · · 🖌			
85															
86	Error. ()	(:_Projekte\X		QS\PL U	pload.xlsx]'Prof	it and Loss	s'!F71: Deb	it/credit cod	e in records m	ust be	different	(KON0637E) Accor	unt (
87		Projekteva	LOLINK	Q3IFL U	pioad.xisxj Pioi	it and Loss	s !F / U. Deb	it/creait coa	e in records m	ust be	allieren	(KON0657E) Acco	uni (
88															
89															
90															
91															
92															
94															
95															
96															
97															
98															
99															
100										_					
101										C)elete	Exit			
100															

4.1.5 Tab Refresh

File Home Insert Page Layout	Formulas Data Review	View Automate	Developer H	Help IDL Xislink			
IDL Formula 🛞 Cancel Display information	Selected Range Field/Listbox ~ [™] □ Worksheet Log [™] _™ Workbook	Pack ×	ected Range Reset rksheet File ~ rkbook	Pad nullcharacters O IDL Excel-Password ID Field/Listbox ~ Ex	ptions (cellcontent) × II L Clipboard × tras ×	DL XIslink mainapplica	tion ~
IDL XIslink	Refresh	Archives	Export		Tools		
A1 • : × ~ fx							
A B C D	E F G	H I	J K	L M	N O	P Q	R
1							
2							
3							

Using the "**Refresh**" function, the IDL.XLSLINK accesses the data in the connected IDL database and updates the references. The update can be carried out optionally via:

- Selected range: all cells that contain IDL.XLSLINK references and are in the selected range are updated.
- Worksheet: all cells of the active Excel worksheet with IDL.XLSLINK references are updated.
- Workbook: all cells of the entire Excel workbook with IDL.XLSLINK references are updated.
- Field/Listbox: updates the selection in the Field/Listbox.

4.1.6 Tab Archives

File Home Insert Page Layout	Formulas Data Review	View Automate Developer	Help IDL Xislink
IDL Formula 🛞 Cancel Display information	∛7 Selected Range Field/Listbox ~ ™ Worksheet Log ™ Workbook	Pack ~ ┦ Selected Range Reset Unpack ~ 1 Workshe :t File ~ ┦ Selected Range K	Pad nullcharacters Options (cellcontent) ~ IDL XIslink mainapplication ~ IDL Excel-Password IDL Clipboard ~ Field/Listbox ~ Extras ~
IDL XIslink	Refresh	T Worksheet ort	Tools
A B C D 1 2 3	E F G	H I J K	L M N O P Q R

The "Archives" function ensures that Excel folders with IDL.XLSLINK formulas can be exchanged with users whose PC does not have IDL.XLSLINK installed.

When the unpacked Excel folders are opened, the IDL.XLSLINK formulas are automatically updated. If it is not possible to connect to the correct database, the formulas fail, and the user will not see any values. To prevent this from happening, the formulas must be packed before sending. Packaging can be done optionally for:

- Selected range: all cells that contain IDL.XLSLINK references and are in the selected range will be packed.
- Worksheet: all cells in the active Excel worksheet with IDL.XLSLINK references will be packed.
- Workbook: all cells in the entire Excel workbook with IDL.XLSLINK references will be packed.

During packaging, the IDL.XLSLINK formulas are converted to inactive If formulas. These formulas are reactivated during unpacking.

4.1.7 Tab Export

File Home Insert Page Layout	Formulas Data Review T Selected Range Field/Listbox ~ ' Worksheet Log Norkbook	View Automate De Pack → ⑦ Selected Ran Unpack → ⑦ Worksheet □ Worksheet	veloper nge Reset File ~	Help IDL XIslink Pad nullcharacters IDL Excel-Password Field/Listbox ~	Options (cello IDL Clipboard Extras ~	content) ~ ~	DL XIslink m	ainapplicatio	n ~
IDL XIslink	Refresh	Archives Expor	rt			Tools			
A1 \checkmark : $\times \checkmark f_x$									
A B C D 1 2	E F G	L I H	K	L M	N	0	р	Q	R

With the "Export" function, data can be read into the connected database.

- Selected area: All IDL.XLSLINK references in the selected area are searched for valid "writing" references and exported to the IDL database.
- Worksheet: All IDL.XLSLINK references in the active Excel worksheet are searched for valid "writing" references and exported to the IDL database.
- Workbook: All IDL.XLSLINK references of the entire Excel workbook are searched for valid "writing" references and exported to the IDL database.
- Reset: When you click on this field, all export formulas will be reset so that only the application name appears in the cells. Furthermore, error messages in the info display and pending export requests will be deleted.
- File: You can use the "File" button to create a copy of the active workbook without the IDL Formulas. This may be necessary for passing on the Excel sheet to a user who does not have IDL.XLSLINK installed:

File Home Insert Page Layout	Formulas Data Review	View Au	utomate Develo	per Help	IDL Xlslink		
NIDL Formula 🛞 Cancel Display information	∛7 Selected Range Field/Listbox ~ ™ Worksheet Log ₩ Workbook	Pack ~ Unpack ~	✓ Selected Range ™ Worksheet ™ Workbook	Reset Pad nu File × IDL Exc	Illcharacters Options (cel cel-Password IDL Clipboar py without formulas	llcontent) ~ IDL XIslink mainapplication rd ~	. •
IDL XIslink	Refresh	Archives	Export			Tools	
A1 \checkmark : $\times \checkmark f_x$							
A B C D	E F G	н	J	K L	M N	O P Q	R S



4.1.8 Tab Tools

File Hom	e Insert Pa	ige Layout	Formulas	Data	Review	View	Autom	ate Dev	/eloper	Help I	DL Xlslink			
IDL Formula	IDL Formula O Cancel Display information Image: Selected Range Field/Listbox Pack > Image: Selected Range Reset Pad nullcharacters Options (cellcontent) > IDL Xlslink mainapplication > Image: IDL Formula O Cancel Display information Image:													
	IDL XIslink			Refresh		Archive	s	Export	t			Tools		
A1 .	• : × 🗸	f_{x}												
A B C D E F G H I J K L M N O P Q R 1														

4.1.8.1 Pad null characters

Numerical master data that begins with zero values, such as Ges 0001, is displayed as "1" in Excel. Via the function "Pad null characters," where the total number of digits can be specified, the number will be displayed in full length with leading zeros, in the example of "0001" (Formatting as text required) :

File Home Insert Page Layout IDL Formula OCancel Display information IDL XIslink	Formulas Data Review Calected Range Field/Listbox ~ Dorksheet Log Dorkbook Refresh	View Automate Pack ~ Unpack ~ ¹ ☐ Work Archives	Developer ted Range Reset sheet File ~ book Export	Help IDL Xlslink Pad nullcharacters IDL Excel-Password Field/Listbox ~	Options (cellcontent) ~ IDL Clipboard ~ Extras ~ Tools	DL XIslink mainapplication ~
A2 $\overline{}$: $\times \sqrt{f_x}$ 1						
A B C D 1	E F G	H I	J K	L M	N O	P Q R
2 1 3 2 4 3 5 4	Adjustment with preceding on selected range	g zeros		_		
6 5 Adjustment of strings 7 6 (This conversion acts)	with preceding zeros with given te only on cells with formatting as te:	extwidth ext)				
9 Please enter the requi	red count in digits					
10 11	Value 4					
12 13			ОК	Cancel		
14						
15						
10						

When Action completed:

AutoSave 💽 🕞 🦌 🖓 🥆 🤜	AutoSave Off ☐ ♡ · ♡ · マ · ▼ Book2 - Excel														
File Home Insert Page Layout	Formulas Data Review	View Automate Developer	Help IDL Xlslink												
IDL Formula 😣 Cancel Display information	Ŷ Selected Range Field/Listbox > ™ Worksheet Log ™ Workbook	Pack → Ŷ Selected Range Reset Unpack → I Worksheet File → I Workbook	Pad nullcharacters Options (cellcontent) ~ IDL Excel-Password IDL Clipboard ~ Field/Listbox ~ Extras ~												
IDL XIslink	Refresh	Archives Export	Tools												
L11 • : × ✓ fx															
A B C D	E F G	H I J K	L M N O												
1 2 0001															
3 0002 4 0003															
5 0004															
6 0005 7 0006															
8															

4.1.8.2 IDL Excel Password

It is possible to centrally store the password for the current worksheet or for the entire workbook. This enables you to release the sheets with sheet protection at the click of a mouse:

File Home Insert Page Layout	Formulas Data Review	View Automate	Developer	Help IDL Xlslink				
NIDL Formula 🛞 Cancel Display information	Ŷ Selected Range Field/Listbox ~ ¹□ Worksheet Log □□ Workbook	Pack ×	ected Range Reset rksheet File ~ rkbook	Pad nullcharacters IDL Excel-Password Field/Listbox ~	Options (cellcontent) [.] IDL Clipboard ~ Extras ~	rtions (cellcontent) × IDL XIslink mainapplication × L Clipboard × tras ×		
IDL XIslink	Refresh	Archives	Export		Tools			
A1 • : × ✓ fx								
					N	D	0	
	E F G	Н	J K	L M	N U	P	Q K	
2								
3								
4		II.	L Excol-Dag	sword				
5			L LACEI-F as	sworu				
6								
7			Valid for					
8			Valid for	current sneet				
9		Password				Check		
11		Confirm Password				Delete		
12		oominin'i assiroita				201010		
13								
14			Valid for co	mplete workbook				
15		-						
16		Password				Check		
17		Confirm Password				Delete		
18								
19								
20					_			
21					Cancel	Exit		
23								
24								

4.1.8.3 Field/Listbox

• Insert listbox/active cell: It is possible to implement a selection list in an active Excel cell. This selection list provides an overview of all variants of a particular attribute available in the database, e.g. all companies or periods. This procedure streamlines the Excel tables.

Step 1) In order to be able to use the field list, an Excel cell is marked and the "Field/Listbox" button is selected:

File Home	Insert Page L	ayout.	Formulas	Data	Review	View	Automate	Developer	Help	IDL Xlslink				
IDL Formula 😣	Cancel Display info	mation	🌮 Selected Range Field/Listbox ~			Pack ~	7 Select	ted Range Reset	Pad null	characters Op	tions (cellconter	nt) ~ IDL XIslin	c mainapplicati	
			1 Workshe	et L	og	Unpack ~	* Work	sheet File ~	IDL Exce	-Password IDL	Clipboard ~			
		Workboo	k			Work	book	Field/List	Field/Listbox Y Extras Y					
	IDL XIslink			Refresh		Archives		Export	Insert listbox / active cell pols					
C3 ~	\therefore \checkmark \checkmark f_x							Re	Remove					
A	В	С	D		E		G	Н	I.	J	К	L	М	
1														
2			_											
3 C	Company:													
4 P	Period:	12.2018												
5 F.	5 FACT: 14													
6 C	6 Chart of Accounts: KON001													
7 A	Account	02010												

Company:	12 2018										
Period:	12.2018										
Chart of Accountry	14 KON001		Incost listhow / active cell								
Account	02010		insert listbox / active cell								
Account	02010										
Amount	1000	Short name	Description	^							
		FO1	Line after print								
		G01	BSL flag 1 (old)								
		G05	Type of company								
		G06	G06								
		GES	Company data								
		GESUBR	company+business unit allocations								
		102	Origin IC-Clearing								
		103	Validation of IC details								
		IFZ	IFZ								
		K01	Flag								
		K03	Consolidation method								
		K05	Controlling object flag 1 before conversion								
		K06	Controlling flag 2								
		K07	Group/sub-group flag								
		K08	Chart of accounts/controbi_flag	¥							
		Data rows read: 284	Data rows read: 284								

Step 2) Select the desired option from the list of currently 211 options and confirm with OK:

Step 3) A * and a selection button with triangle automatically appear in the active cell. Above this, the desired variant of the selected attribute can be selected in a selection list:

Α	В	С	(
	Company:	*	-
	Period:	012	~
	FACT:	013	
	Chart of Accounts:	015	
	Account	017	
		018	~
	Amount	1000	

• Remove: A selection list cannot be deleted using the "Remove" button on the keyboard. Only the star that indicates the existence of a selection list in the cell will be deleted.

	А	В	С	D
1				
2				
3		Company:		-
4		Period:	12.2018	
5		FACT:	14	
6		Chart of Accounts:	KON001	
7		Account	02010	
0				

To remove the complete cell content, select the cell and click on the "Remove" button in *Tools -> Field/Listbox*. The following error message must be confirmed accordingly:

Fil	e Home	e Insert Page	Layout F	Formulas	Data Reviev	v View	Automate	Developer	Help	IDL Xlslink			
M	IDL Formula	🛞 Cancel Display info	rmation 🕴	C Selected Ra	nge Field/Listbox	r v Pack v	Pack ~ 🏾 🌮 Selected Range Reset			haracters Opt	ions (cellcontent)		
			-	🗖 Worksheet	Log	Unpack	Unpack 🗸 👘 Worksheet 🛛 File 🗸			IDL Excel-Password IDL Clipboard ~			
			[Workbook			E Workbook			Field/Listbox ~ Extras ~			
		IDL XIslink		R	efresh	Archive	s	Export	E Ins	sert listbox / act	ive cell pols		
C3	*	: × ✓ f;	r -							Remove			
	А	В	С	D	E	F	U	н	I.	J	К		
1													
2													
3		Company:		-									
4		Period:	12.2018										
5		FACT:	14										
6		Chart of Accounts:	KON001										
7		Account	02010										

The following error message asks for confirmation

IDL XIslink	\times
Do you want to delete ? Cell-Reference: "[Mappe.xlsx]Tabelle1!\$C\$3"	
Ja Nein	

4.1.8.4 Options (cell content)

If the function "IDL Formulas only" is activated, only those cells that contain IDL Formulas will be updated. You can set whether the update is to be performed automatically or only on manual command:

_

4.1.8.5 IDL Clipboard

With the IDL Clipboard, several fields from Excel can be stored simultaneously for the IDL.XLSLINK reference. The required fields are marked and transferred to the IDL Clipboard via "Copy cell."

Auto	Save 💽 O	0 6 9 ° ° °	÷				Mappe.xlsx	Last Modified:	Di at 17:15 🗸	,			
File	Home	Insert Page I	Layout	Formulas D	ata Review	View /	Automate	Developer	Help	IDL Xlslink			
M IDL	Formula	🛞 Cancel Display info	rmation 4	C Selected Rang	e Field/Listbox	Pack ~	🌮 Select	ed Range Reset	Pad nullo	haracters O	ptions (cellcontent) ~ IDL XIslini	k mainapplic
			-	🗖 Worksheet	Log	Unpack ~	¹ Works	sheet File ~	IDL Excel	-Password ID)L Clipboard ~		
			1	Workbook			Work	book	Field/List	box	🗘 Copy cell		
		IDL XIslink		Ref	resh	Archives		Export			Display		
B3	Ŧ	: × √ fs	Comp	any:							X⊐ Delete		
	А	В	С	D	F	F	G	Н	I.	J	К	L	М
1													
2		0	1 000										
3		Company:	003	-									
4		Period:	12.2018	_									
5		FACT:	14										
6		Chart of Accounts:	KON001										
7		Account	02010										
0				-									

	IDL Clipboa	rd		-	
Cell-Reference	Information				
C3	001				
C4	12.2018				
C5	14				
C6	KON001				
C7	02010				
Data rows read: 5			Cancel	OK	

The cell addresses stored in the Clipboard are now ready for selection:

4.1.8.6 Extras

Under the tab "Extras," two further points are stored: external links and conversion. These are explained below:

DATEI	START	EINFÜG	GEN SEITENLA	YOUT FOR	MELN DA	ATEN	ÜBERPRÜFE	IN A	NSICHT	ENTW	ICKLERTO	OLS AD	D-INS	IDL.XL	SLINK		
🔛 IDL Fo	rmula 😢	Cancel Di	isplay information	🐺 Selected	Range Field/l	istbox -	Pack -	🏹 Sele	cted Range	Reset	Pad null	characters	Options	(cellconte	ent) - IDL.XLS	LINK mainapplic	ation -
	in worksheet Log				Unpack 🕶	npack 🛪 🔚 worksheet 🛛 File 👻 IDL Excel-Password IDL Clipboard 🛪											
Workbook							Workbook Field/Listbox *			tbox ≁	Extras 🕶						
	1	DL.XLSLINK			Refresh		Archives		Export				1) ex	ternal links	s 🕨		
H2 - : × / fx													2)c	onvert	•		
	A	В	С	D	E	F		G	Н		T	J		К	L	М	N
1										_							
2	C	Company	001							_							
3	P	Period	12.2018														
4	F	ACT	14														
5	g	group	IDL														
6	a	ccount	02010														

1) External links: There are three possibilities

Fil	le Home	Insert Page L	.ayout	Formulas	Data Review	View	Automate	Developer	Help	IDL Xlslink			
IDL Formula 😣 Cancel Display information				C Selected Rar	ige Field/Listbox	✓ Pack ✓	🌮 Select	ed Range Reset	Pad nullo	haracters (Options (cellconter	nt) ~	IDL XIslink mainapplication ~
				Worksheet	Log	Unpack 🗸	* Works	sheet File ~	IDL Excel	-Password II	DL Clipboard ~		
				Workbook			🗄 Work	book	Field/List	box ~ E	xtras ~		
IDL XIslink				R	efresh	Archives		Export			external links	s >	Check
\checkmark : \times \checkmark $f_{\rm x}$ =@IDLGetVal				LGetValue(ID	tValue(IDLPara(1;"EAKTOSAL";"IDLDB";"S";"ALT";"LW";B3;C5;C4;;"KO				'KON001";"0)2010"))	Convert	>	Display
	А	В	С	D	E	F	G	н	I.	J	к		Check on load
1													
2													
3		Company:	001										
4		Period:	12.2018										
5		FACT:	14										
6		Chart of Accounts:	KON001										
7		Account	02010										
8													

- Check: manual check of workbook for external links
- Display: Manual display of existing external links.
- Check when loading automatic check for existing external links when loading the workbook. This check is activated in the Settings tab (see also section 2.4.2 General settings):

	Settings		_ = ×				
Java & Konsis AddIn	va & Konsis AddIn & Excel						
Konsis start folder	\\						
Path to Konsis-Client							
Konsis INI file	%idlwebini%						
Path to Java-JRE							
Log level settings		Connect mode H					
	while logon						
	while logon						

If a workbook with active external links is opened in Excel, a message from Excel will appear. Irrespective of the procedure selected here, a warning from IDL.XLSLINK is activated:



The result of both the positive confirmation of the display at this point and the execution of the manual check and display appears as a list:
Display information			
CNOT UPDATED> "X:\ ProjekteVLSLINK\QS\PAF\16322\16322-4\package_for_0033.xlsx" Cell-Reference: G CNOT UPDATED> "X:\ ProjekteVLSLINK\QS\PAF\16322\16322-4\package_for	ES-KTPIS3 ES-KTPIS4 ES-KTPIS4 ES-KTPIS4 ES-KTPIS5 ES-KTPIS5 ES-KTPIS6 ES-KTPIS7 ES-KTPIS7 ES-KTPIS8 ES-KTPIS8 ES-KTPIS8 ES-KTPIS9 ES-KTPIS9 ES-KTPIS10 ES-KTPIS11 ES-KTPIS11 ES-KTPIS12 ES-KTPIS13		v
	Delete	Exit	

2) Conversion

ENTW	ICKLERTOOLS AI	DD-INS IDL.XLSLINK	(
Reset File ▼	Pad nullcharacters IDL Excel-Password Field/Listbox *	Options (cellcontent) * IDL Clipboard * Extras *	IDL.XLSLINK mainapplicatio	n •
		external links 🕨		-
		Convert ►	Conversion step 2	
	н		Format: Reset	К

- Conversion step 2: The accompanying text of the application "Conversion step 1" implied until release 2017.0 that the conversion was to be completed with step 2. The two steps were combined in the subsequent releases. Up to and including Release 2018.1, this item is retained as a fallback level in the menu.
- Format: Reset: During conversion, the Excel cells retain their original formatting. The command "Format: Reset" resets the selected cells to "Standard" formatting.

4.1.8.7 IDL.XLSLINK mainapplication

DATEI	START	EINFÜGEN	SEITENLAY	OUT FORMELN	DATEN	ÜBERPRÜFE	N ANSICHT	ENTW	ICKLERTOOLS A	DD-INS IDL.)	(LSLIN)	(
🔛 IDL For	mula 🔞 Can	cel Display ir	nformation	🏹 Selected Range	Field/Listbox *	Pack -	🏹 Selected Range	Reset	Pad nullcharacters	Options (cellcor	itent) -	IDL.	XLSLINK mainapplication •
				🔚 worksheet	Log	Unpack *	🔚 worksheet	File <i>▼</i>	IDL Excel-Password	I IDL Clipboard -	1)	0	State
				🛅 Workbook			Workbook		Field/Listbox *	Extras *	2	5	Connect
	IDL.XL	SLINK		Refres	h	Archives	Export			T	¹ 53)		Login: IDL.KONSIS
J5		• E 🔀	< 🗸 j	fx							4)	0	Information for IDL.XLSLINK

1) State: indicates whether a connection exists with the main IDL.XLSLINK application or not.

2) Connect: connection to a database is possible from Excel using this button.

3) Login IDL.KONSIS: the login to IDL.KONSIS can be performed directly via this button. The login window is called up automatically during the first data query.

4) Information for IDL.XLSLINK: Information about the "Valid for IDL.KONSIS version." This can be compared with the corresponding information in the main IDL.XLSLINK application. This allows you to check whether the installed add-in is up-to-date, for example.

5 Read function

5.1 General

5.1.1 Functionality of the read function

The target cell in which the IDL.KONSIS data is to be read out is marked in the Excel sheet. Then the function "IDL Formula" is called up.



Depending on the subject matter to be read from IDL.KONSIS in Excel, the corresponding input mask is selected in the selection tree in the area of the read function.



In the input mask, the IDL.XLSLINK formula is created by filling in the individual fields.

B3 \checkmark : $\times \checkmark f_x$ =@IDLGetValue(IDLPara(1;"STKTO";"IDLDB";"S";;;;;;;"IFRS";"001.010	0.00.10"))					
A 8 1 2 Account Description 001.0100.00.10 Bareserve Deutschland	IDL Formula - Read function	on: Accounts					- o x
4 001.0100.00.20 5 001.0100.00.30	Read function (From IDL Konsis)	System	T	IDLDB >>	Mode	Т	<u>s</u>
8 001.0100.00.40 7 8	·····@: Controlling objects ·····@: Groups/Sub-groups	Chart of accounts	T	IFRS ►	Account	Т	<u>₩2</u> ►
9	Company data Susiness units Some company+business unit al	Chart of positions code Language code	T T		Position Balance sheet/Profit Loss code	T T	4
12	Of Transaction development Of transaction development	Short name	T	[]	Transaction development	т	4
14	Positions Orrency codes	Flag	т		Transaction development/PL	т	•
16	Country codes	IC details	Т	►	Validation of IC details	Т	► ►
18	Amount indivitinal.statements Amount consolidated financ.s Export function (To IDL Konsis)	Valid from	T		Valid until	т	
20	B Masterfiles Amount indiv.finan.statements Amount consolidated financ.s						
23		+/- contr.dim.1	Т	Þ	+/- contr.dim.2	Т	
25		+/- contr.dim.3	Т	•	+/- contr.dim.4	Т	▶
27		+/- contr.dim.5	T	•	+/- contr.dim.6	T	►
28		+/- contr.dim./ +/- contr.dim.9	T	۲ ۲	+/- contr.dim.8 +/- contr.dim.10	T	
31 32						~	
33	Information					The second	Excelcells Cancel OK

The desired data can be selected in "Field definitions" and read from the IDL.KONSIS database.

IDL Formula - Read funct	ion: Accounts					- • ×
e-■ Read function (From IDL Konsis)	Chart of accounts	Т	IFRS •	Account	т	A2
Controlling objects	Chart of positions code	Т		Position	Т	
Company data	Language code		4	Dalance sneet/Profit Loss code	1	
Company+business unit al	Short name	Т		Transaction development	Т	
Columns of transaction dev	Flag	Т	•	Transaction development/PL	Т	
Posting keys Positions	IC details	Т	4	Validation of IC details	Т	
Currency codes	Reposting at carry forward	Т	•	Consolidation function	Т	
Facts	Valid from	Т	•	Valid until	Т	
 anount indiv.finan.statements anount consolidated financ.s anount consolidated financ.s 						
Masterfiles Amount indiv finan statements	+/- contr.dim.1	Т	4	+/- contr.dim.2	Т	
Amount consolidated financ.s	+/- contr.dim.3	Т	4	+/- contr.dim.4	Т	
	+/- contr.dim.5	Т	4	+/- contr.dim.6	Т	
	+/- contr.dim.7	Т	4	+/- contr.dim.8	Т	
	+/- contr.dim.9	Т	4	+/- contr.dim.10	Т	
						↓
	Field definitions	Т				•
	Cell-Reference	T				1
Information		_				Excelcells Cancel OK

The selection of the possible variants can be made by clicking on the triangle on the right in the field "Field definitions."

Accounts				- • ×					×
3 4 Description	Short name	View field		Select all					
5	·			s	Т	IFRS •	Account	Т	A2 🕨
5 Language code	Language	description.architekLangKeyJanguage.id	Description	View field	Т		Position	Т	•
7 Description	Acc.descr.	description.long lext			T		Balance sheet/Profit Loss code	т	
Short name	Short name	description.short lext		l l	-	F	Dalance sheep for Loss code	-	F
Chart of accounts	ChartofAcc	account id.chartOf Accounts							
Account	Account	accountid.accountnumber			Т		Transaction development	Т	b l
Valid from	Valid from	validity.valid.Hotil			T	×	Transaction development/PL	Т	4
Palanan abart (Paris & Loss ando	P/S+P/Lood	valory.valoritii		ĺ				-	
C detaile	Casellas	is Associate Data		9	-	· ·	Validation of IC details	-	4
Transaction development/P&I	Transd/Pl	matchingPl TransactionDevelopment		ł	Т	· ·	Consolidation function	Т	
nanoscor correspondente r de	A P			n	Т	· ·	Valid until	Т	
G									
c .		Display Back	Cancel	ОК					
		Amount indivition state	ments	st	Т	►	1/ contr.dim.2	Т	•
2		Amount consolidated fire	nanc.s	+/- contr.dim.3	Т		+/- contr.dim-4	Т	•
13				1 and the first fi	-		1/ sents dim 6	>	
4				#/- contr.dim.5	-	· · ·	#/- Contr.dim.6	-	
5				+/- contr.dim.7	Т	•	+/- contr.dim.8	Т	· · · · ·
27				+/- contr.dim.9	Т		+/- contr.dim.10	Т	· · ·
8									
9				-	-				
0				Field definitions	1				4
1				Cell-Reference	Т				1
2		Informati	ion					31	Excelcells Cancel OK
3								#C)	Charles OK

Then mark the desired row and activate it with the button ">>." A selected row that is no longer desired can be removed from the selection by pressing the "<<" button. It is possible to select more than one row in the "S" mode, but after confirmation of the OK button it leads to a hint in the Excel cell "more data than allowed in the cell." (The other values are explained in subchapter 4.1.4 Mode field).

If the formula was created correctly (keyword absolute / relative references), it can be copied to other cells:

Fi	le H	lome Insert	Page Layout	Formulas	Data	Review	View	Automate	Develo	per	Help I	DL XIslini	[
M	IDL Form	nula 🛞 Cancel	Display information	♥ Selected R ™ Worksheet	ange Field, : Log	/Listbox ~	Pack v Unpack v	থি Select টি⊡ Work টি≣ Work	ted Range sheet book	Reset File ~	Pad nullch IDL Excel- Field/Listb	naracters Password box ~	Option: IDL Clip Extras ~	s (cellconter board ~	nt) ~ ID
		IDL XIslink			Refresh		Archives		Export					Tools	
B5		• : ×	√ f _× =@	IDLGetValue(I	DLPara(1 <mark></mark> "	STKTO"; 'II	DLDB";"S";;	;;;;;;"KON00	1";A5;;;;;;	;;;"ENG'	'); DLPara(4;;;;;; <mark>'</mark> de	scriptio	on.longTex	xt"))
	А		В	С	D	E	F	G	Н	1	J		к	L	м
1															
2	Accour	nt	Description												
4															
5	30010	Subscribed	capital												
6	31010	Capital reser	ve												
7	32010	Legal reserve	e .	_											
8	32110	Reserve for o	own shares												
10	32210	Other revenue													
11	32310	Latenter Ste	uereffekt auf FK												
12	33010	Retained ear	mings												
13	33510	Profit distrib	ution												
14				+											

The settings from the input mask can be found in the formula bar. In the example shown, "STKTO" means master data (ST) and accounts (KTO).

The references read are output in the language that appears first in the list. To get the references in another language, this should be specified in the IDL Formula.

5.1.2 Read reference with multiple selection

Selecting multiple cells will be added in a coming update of the new formula editor.

5.1.3 Multiple references in one cell

			Company				×
ок	Company	Short name	Description			^	
	P15265	PAF 15265	PAF 15265				
	P15314	P15314	PAF 15314				
	P15315	P15315	PAF 15315				
	P15406	Vorzeichen	Vorzeichendreher in Positionen				
	P15496	PAF 15496	PAF 15496				
	P15768	P15768 - Z	P15768 - Zahlendreher POSSAL Kf	W			
	P15823	PAF 15823	PAF 15823				
	P16046	P16046	PAF 16046-3				
	P16624	P16624	PAF 16624				
	P16666	P16666	PAF 16666				
	P17494	P17494	PAF 17494 Mehrfachausw. zugeord	In. Konzernkon	ten		
	PARIS	Paris	Paris				
	1	PCHAG	Mutter				
	1	Réunion	Réunion				
	SINTRA	Sintra	Sintra			~	
Data	a rows read: 91	2		Mode	Cancel	ОК	

It is possible to define a formula with several references in one Excel cell. The references are entered manually one after the other:

BS	j	▼ : X √	fx =10 +10 +10	DLGetValue(IE DLGetValue(IE DLGetValue(IE	DLPara(1;"EAk DLPara(1;"EAk DLPara(1;"EAk	(TOSAL";"MS((TOSAL";"MS((TOSAL";"MS(QS_TS";"S";"N QS_TS";"S";"N QS_TS";"S";"N	IEU";"LW";"0 IEU";"LW";"0 IEU";"LW";"0	D1";" 4";"12.20 D1";" 4";"12.20 D1";" 4";"12.20)18";"*";"KON)18";"*";"KON)18";"*";"KON	1001";A2)) 1001";A3)) 1001";A4))
	А	В	С	D	E	F	G	н	1	J	K
1	Account	amount									
2	30010										
3	31010										
4	32010										
5		16850000									
6											

If a formula row is marked:

File Home	e Insert Page	Layout	Formulas	Data Review	View /	utomate	Developer	Help II	DL Xislink									
DL Formula	🛞 Cancel Display info	rmation	17 Selected Ra	nge Field/Listbox	- Pack -	7 Selec	ted Range Reset	Pad nullch	aracters Opti	ons (cellconten	it) ~ IDL XIslini	k mainapplicatio	on ~					
_			* Worksheet	Log	Unpack ~	* Work	sheet File ~	IDL Excel-	Password IDL	Clipboard ~								
			Workbook			C Work	book	Field/Listb	ox ~ Extra	IS *								
	IDL XISIINK		ŀ	terresn	Archives		Ехроп			10015								
C9 *	: × < 1	× =@II	DLGetValue(ID	LPara(1;"EAKTOS	AL";"IDLDB";"	S";"ALT";"l	.W";;C5;C4;;"KOI	v001";"0201	.0"))+@IDLGe	tValue(IDLPa	ara(1;"EAKTO	SAL";"IDLDB";	"S";"ALT";"L\	N";;C5;C4;;"K	ON001";"0202	:0"))+@IDLGe	tValue(IDLPa	ara(1;"E
A	в	С	D	E	F	G	н	1	1	к	L	м	N	0	Р	Q	R	s
1																		
2		L																
3	Company:	001																
4	Period:	12.2018																
5	FACT:	14																
6	Chart of Accounts:	KON001																
7	Account	02010																
8																		
9	Amount	55405	b,31															
11			_															
12											_ = ×							
13				1.1.1			List				: 🔺							
14																		
15				IDI formula-s	election													
16				101.0.0														
17				IDLGetvalue(IL	DLPara(1,"EAP	(TOSAL","	IDLUB", S", AL	","LVV",,C5	C4,,"KONUC	1","02010"))								
18				IDLGetvalue(IL	DLPara(1,"EAP	(TOSAL","	IDLDB","S","AL	","LW",,C5	,C4,,"KON00	1","02020"))								
19				IDLGetValue(ID	DLPara(1,"EA	(TOSAL","	IDLDB","S","ALT	","LW",,C5	,C4,,"KON00	1","05010"))								
20																		
21																		
22				Data rows rea	d: 3				Cance		ок							
23									_									
24																		(
25																		
26																		
27	1	1																(

the user will be taken to the input mask of the formula via OK:

=@IDLGetVa	alue(IDLPara	a(1;"EAKTO	SAL";"IDLDB	';"S";"ALT";"L	W";;C5;C4;;"K	ON001";"020	10") +@IDLG	etValue(IDLPar	a(1;"EAKT	TOSAL";"IDLDB";	"S";"ALT";"LV	/";;C5;C4;;"K(DN001";"0202	0"))+@IDLGet	tValue(IDLPa	ara(1;"EAKTO	SAL";"IDLDB";	;"S";"ALT";"L\	V";;C5;C4;;"K	ON001";"0501	.0"))
с	D	E	F	G	н	1	J	к	L	м	N	0	Р	Q	R	S	т	U	v	w	х
01																					
2.2018											•										
1																×					
ON001							.: /	IDL For	mula -	Read func	tion : Acc	ount bala	ances		· · · · ·	. : 🖊					
2010							1.1 *									1.1/	_				
554056.21						Read fi	unction (From	IDL Konsis)									-				
554050,51						Am	ount indiv fina	n statements			System IDI	.DB			Mode S						
						0	Account balar	ices			Currency IM	1		Balance o							
						@	C-account ba	lances													
						-0	Controlling bal	ances													
						0	Capital transa	ctions													
						- 0	nventories IC-	stocks		Group/S	ub-group										
						- 0	Provision trans Shareholding/	sactions			Company			Busines	s unit						
							Additional dev	elopment transa	c c	losing date actu	al period (C	1)			Fact (C5)						
						- @	Position balar	ces ex reports		Chart of posit	ions code			Position/iter	m No	_					
							GUIDE Check	Sums		Chart of	ana ana ana						-				
						-0	Margin of prod	lucts		Chart of	accounts KC	11001		AU		·	-				
						🗄 🛅 Am	ount consolida	ated financ.state	e P	alance sneet/Pi	UIII LOSS			Debit/credit	code						
						Export	function (To II	DL Konsis)			Flag			IC d	letails						
						Am	ount indiv.fina	n.statements	1	Transaction dev	elopment		Transactio	n developme	nt/PL		_				
							ount consolida	ated financ.state		Alloc.chart of	accounts			Alloc.ac	count		-				
						-				Re	port ident										
						_					cting type	_									
						-					sung type	_				_	-				
						-											-				
						-				Voucher clas	ssification			Deferred	taxes						
											eference	_									
						<		>													
								Indonese line				-	Excolority		col	OK					
								information				WED	Excelcells	Gan		UK	_				

5.1.4 Field Mode



The specification of mode is mandatory and regulates the type of output of the values. There are three different modes to choose from:

- S: provides the entire value of a formula in a single value, which can also be composed of several values if, for example, a position or a composite value is read with "%." Although it is possible to select more than one row in the "S" mode, the confirmation of the OK button leads to a note in the Excel cell "more data than allowed in the cell."
- M: displays the quantity of data sets in the current cell that make up the total value of a formula and the individual values in a table.

	IDL Formula - Read	function : Acc	ount bala	nces		- • ×
Read function (From IDL Konsis)						
Masterfiles	System	IDI DB	xlslink	Mode	M	Quantity
Amount indivitinan.statements	0,000	10200	- Domesti	Delense entire		EinancS
-@ IC-account balances	Currency	LVV	Domesti	Balance option	ALI	r indireo
Controlling balances						
 Fixed assets transactions 						
Capital transactions	Croup/Sub group					
Inventories IC-stocks No Provision transactions	Group/Sub-group					
Shareholding/participations	Company	001	Comput	Business unit		
- @ Additional development transa	Closing date actual period	12.2008	12.2008	Fact	CD	Connec
Osition balances ex reports GUIDE Check Sums	Chart of positions code	BILGUV	Bilanz +	Position/item No.	G010	1. Sales
- @ Exchange rates	Chart of accounts			Account		
Margin of products Amount consolidated financ state	Balance sheet/Profit Loss			Debit/credit code		_
Export function (To IDL Konsis)	Flag			IC details		_
Masterfiles Amount indiv.finan.statements	Transaction development			Transaction development/PL		_
Amount consolidated financ.state	Alloc.chart of accounts			Alloc.account		
	Report ident					
	Posting type			Posting affecting net income		_
	Voucher No			Posting record No.		
				Deferred form		
	voucher classification			Deterred taxes		
			-			
	Cell-Reference	E1				
< >			_			
Information				Excelcells	Cancel	ОК

When the OK button is confirmed, the number of records will appear in the active cell and the table with the desired results either in a newly created workbook or in the cell address specified in the field provided (in the formula editor at the bottom left):

=@	=@IDLResultList(""";"Amount group currency";14;4)														
>	E	F	G	Н	1	J	к	L	м	N	0				
	Amount group currency	Amount local currency	Amount parallel currency	Debit/credit code	Company	Fact	Closing date actual period	Business unit	Chart of accounts	Account	Balance sheet/Profit Loss code				
	555,00	555,00	0,00	н	001	CD	12.2008		KON001	50010	3				
	6666,00	6666,00	0,00	н	001	CD	12.2008		KON001	50011	3				
	33,00	33,00	0,00	н	001	CD	12.2008		KON001	50051	3				
	22,00	22,00	0,00	н	001	CD	12.2008		KON001	50510	3				

• C: this mode is technical and is not intended for use by the user. Although it is possible to select this mode, if the user selects it, an error message will appear when the formula is edited later. The entry "C" is automatically assigned to cells for which a Field/Listbox is stored and these can be reworked with it.

The subchapter 3.1.8.3 Field/Listbox in this document provides instructions for creating a selection list.

5.2 Reading of master and control files

5.2.1 Accounts

You can use this function to read the attributes of accounts (by using :

Read function (From IDL Konsis)	IDL Formula - Read function : A	ccounts			_ = ×
Masterfiles Controlling objects Concolling objects	System IDLDB	xlslink_m	Mode	S	Value
Company data	Chart of accounts KON001	(KON001)	Account	(A3)	(30010)
Business units	1) Chart of positions code		Position	Þ	
	2) Language code ENG	(ENG) Bala	ance sheet/Profit Loss		
Positions	Short name	Tra	insaction development		
Currency codes	Flag	Transa	action development/PL		
Facts	IC details		Validation of IC details		
Amount indiv.finan.statements	Reposting at carry forward		Consolidation function		
Andon Consolitated Infanc.statem. Export function (To IDL Konsis) Asterfiles Amount indiv.finan.statements Amount consolidated financ.statem.	Valid from	1	Valid until		
	+/- contr.dim.1		+/- contr.dim.2		
	+/- contr.dim.3		+/- contr.dim.4		
	+/- contr.dim.5	-	+/- contr.dim.6		
	+/- contr.dim.7		+/- contr.dim.8		
	+/- contr.dim.9		+/- contr.dim.10		
	3) Field definitions description longTast		descri	ntion longText	
	Coll Deference	7	descri	puoniongreat	
	Cell-Relefence				
Information			Excelcells	Cancel	ОК

- When you enter fields such as account and position, the fields Chart of accounts /chart of controlling objects or Chart of positions / Schema will be highlighted in green. If the field is left empty, the plans will be selected according to the settings made in the database (application "VOR").
- 2) Language: If accounts in the IDL.KONSIS database are stored in several languages, the desired language for the output can be selected here.
- 3) The desired data can be selected in "Field definitions" and read from the IDL.KONSIS database (in detail explained in chapter 5.1.1)

5.2.2 Controlling objects

You can use this function to read the attributes of controlling objects:

B3 ▼ : × ✓ fr =@IDLGetValue(IDLPara(1;*STK	T";"IDLDB";"S";;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	"KON001";"10040");	IDLPara(4;;;;;;"descript	ion.longText"))								
A B C D E F G	H I J	K L	M N	O P	Q R S	τU	V W	х	Y Z	AA	AB	AC
1												
2												
3 10040 Purchasing						>	<					
4	IDL Formula - R	ead function :	Controlling obj	ects								
5												
6 Read function (From IDL Konsis)							-					
n	System	IDLDB	xlslink_master		Mode S	Value						
O Controlling objects												
10 Groups/Sub-groups	ChaCastCas	10011004	Konzernkonte	Controlling	ablest (see a	Durahasing						
11 OCOMPany data	ChacostCen	KONUUT	Nonzermome	Controlling	object 10040	Purchasing						
12 - O Dusiness unit alloca	Language code	ENG	english UK									
13 -@ Transaction development	Controlling flag 1											
14 - @ Columns of transaction develo	Alloc company											
15 @ Posting keys					1.4							
16	valid from			Va	iid untii							
10 Country codes												
19 Ø Facts	Field definitions	description.longText	•		description.longText							
20												
21 Amount consolidated financ.state												
22 (a) The Masterfiles						7					0	×
23 Amount indiv.finan.statements						Con	trolling objects	5				
24						(desc	ription.longTex	ct)				
25												
26					Description	Short name	View field		<u> </u>	>> <<	Select all	
27 Information				The second secon	Language code	Language	description.architek.Lang	Key Janguage id		escription		
28					Controlling object description	CoObDescr	description.longText					
30					Short name	Short name	description.shortText		C	onaroning OD	eu descriptio	
31					Chart of cost centers/accourt	ts code ChaCostCen	controllingObject id.control	rollingObjectPlan				
32					Controlling object	Contr.Obj.	controllingObject ld.control	rollingObjectNumber				
33					Controlling flag 1	ContrFlag1	controlingFlag1.classific	ation ld.objild				
34					Controlling object flag 1	=>ContrFlag1	controllingFlag1					
35					Default for consolidation	Def f.Cons	controllingRag3					
36					Controlling flag 2	ContrFlag2	controllingFlag2					
37					Alloc.company	Alloc.Comp	company.companyld.id		~			
20					<				> <			>
40												
41							Display	Back	C	ancel	ОК	
42												
43												

5.2.3 Companies

You can use this function to read the attributes of companies:



While a selection of two predefined types can be made in the field "Gesellschaftsart," the fields "VAT Identification number," "Legal form," "Commercial register" and "Commercial register number" can be filled out freely alphanumerically.

Read and export data with IDL.XLSLINK



The three bordered fields are available for the read function of the licensing of the company type. In IDL.KONSIS, the license information is controlled via the entries in USE for individual users:

USEE User					
User	IDLADMIN				
User login					
Last name	IDLADMIN				
First name	IDLADMIN				
TelephonNo					
e-mail					
Language	DEU	deutsch	Template		
User group	IDLADMIN		UserGroObj		
LUserTKon	F	FullUser			
LUserTFC	F	FullUser			
LUserTXIs	F	FullUser			
DatamartID					
Valid from			ValidUntil		
LogIErrAct					
Password					
PasswdSalt					
LPWChange					
ChgInterv	24				
PW-Chg.act			Pw reset		

5.2.4 Positions

You can use this function to read the attributes of positions in a particular chart of positions.

Read function (From IDL Konsis)	IDL Formula - Re	ead function : Positions			_ = x					
Masterfiles Accounts Octrolling objects	System IDLDB	xlslink_master	Mode S	Value						
O Groups/Sub-groups Orompany data O Business units O company+business unit alloca O Transaction development	Chart of positions code BILGUV Language code Description	Bilanz + GuV Positionen	Position G010	1. Sales		Posi	tions/items			_ D X
O Columns of transaction develop O Posting keys	Thereof position/item				Description	Short name	View field		^ >> <<	Select all
O Positions	Balance sheet/Profit Loss		Short name		Language code	Language	description architek LangKey langu	age id	Description	View field
Currency codes	Valid from		Valid until	_	Description	Pos.descr.	description longText		Description	tiew nero
- @ Facts				1	Short name	Short name	description short Text		Description	description
- B Amount indivinan statements	Dimension andre				Column header	ColHeader	description head Text			
Amount consolidated financ.state	Dimension codes				Chart of positions code	ChartPosCd	chartOfPosition.chartOfPositionId.	1		
Export function (To IDL Konsis) Masterfiles	Reference information		_		Chart of positions/Report column optio	ns =>AGB	chartOfPosition			
🕘 🛅 Amount indiv.finan.statements					inter extem flag	IntExtRag	intemExtemRag			
Amount consolidated financ.state	Field definitions		•		Chart of positions code type	ChaPosType	agbType			
	Cell-Reference				Chart of positions code	ChartPosCd	positionId positionPlan			
	Centratience				Postion	PositionNo	positionid positionNumber			
	Position type				Balance sheet/Profit & Loss code	B/S+P/LC00	DiplCode		Ů Ľ	· ·
							Display	Back	Cancel	ок
· · · · · · · · · · · · · · · · · · ·										
Information	Sh	eet1IB3	Excelcells	Cancel	ОК					

5.2.5 Account balances

You can use this function to read account balances and postings. Note the various balance options.

	IDL Formula - Read f	unction : Account balances			_ = x	Balance		_ = ×
Read function (From IDL Konsis)						option		
🖶 🗃 Masterfiles	System IDLDB	xlslink master	Mode S	Value				
Amount Indivitinan.statements	2		Delever entre		Balance option	Short name	Description	
iC-account balances	Currency LW	Domestic Currency	Balance option	•	ALT	FinStatem.	FinancStatement	
Controlling balances					BUC	Postings	Postings	
Fixed assets transactions					NEU	NewFinStat	NewFinancStater	nent
Capital transactions		_						
Inventories IC-stocks	Group/Sub-group				Data rows read: 3		Cancel	ОК
Provision transactions Shareholding/participations	Company		Business unit					
Additional development transa	Closing date actual period		Fact					
O Position balances ex reports O GUIDE Check Sums	Chart of positions code		Position/item No.	-				
Exchange rates	Chart of accounts		Account					
Margin of products Amount consolidated financ state	Balance sheet/Profit Loss	_	Debit/credit code	_				
Export function (To IDL Konsis)	Flag	_	IC details	-				
Masterfiles		_		_				
Amount indiv.finan.statements	Transaction development	Transac	tion development/PL					
Amount consolidated financ.state	Alloc.chart of accounts		Alloc.account					
	Report ident							
	Posting type	Posting	affecting net income	-				
	Voucher No.		Posting record No.	-				
	Vouchor classification	-	Deferred taxes	-				
< > >			Deletted taxes		~			
Information			Excelcells	Cancel	ОК			

- **ALT:** The account balances of the individual financial statement are read (KTOSAL).
- BUC: The postings of the individual financial statement are read (BUCH).
- **NEU:** The result of account balances and postings is read.

5.2.6 IC account balances

This function enables you to read the business relationships of the IC companies.

	×
IDL Formula - Read function : IC-account balances	
Read function (From IDL Konsis)	
→ Amagements System IDLDB xIslink_master Mode S	Value
Account balances Currency Balance option ALT	FinancStatement
-© IC-account balances	
-@ Controlling balances	
- 10° Fixed assets transactions	
Capital transactions Provide the second se	
© invision transactions	
-® Shareholding/participations Company Business unit	
- @ Additional development transa Closing date actual period Fact	
Position balances ex reports Chart of positions code Position/item No	
© GUIDE Check Sums	
Chart of accounts Account Accounts Account	
Balance sheet/Profit Loss IC details	
Export function (To IDL Konsis)	
Assterfiles	
Amount individual familiar statements	
Amount consultated linancistate Currency code of transaction Transaction development	
date of reference voucher	
Alloc.account Alloc.account	
ChaCostCen Controlling object1	
Chart of controljects 2 Controlling object2	
Chart of controljects 3 Controlling object3	
Chart of controbjects 4 Controlling object4	
Chart of controbjects 5 Controlling object5	
Chart of controbjects 6 Controlling object6	
Chart of controbjects 7 Controlling object7	
Chart of contr.objects 8 Controlling object8	
Chart of controbjects 9 Controlling object9	
Chart of controbjects10 Controlling object10	
Cell-Reference Report ident	
()	

The arrows show the relationships that should be entered for concretization when reading out certain data. When activated, the dependent fields are highlighted in green by clicking in the field.

5.2.7 Controlling balances

With this function, it is possible to read out the cost center balances in IDL.KONSIS. It is mandatory to select one of the balance options:

- ALT: The account balances of the individual financial statement are read (CNTSAL).
- BUC: The postings of the individual financial statement are read (BUCH).
- **NEU**: The result of account balances and postings is read.

							×			
		IDL Formula - Read for	unction : Controlling bala	nces			:: 🔼			
1	Read function (From IDL Konsis)									
	Masterfiles	System IDLDB	vislink master	Mode S		Value	_			
	Amount indivitinan statements	oystem isebs								
_	Account balances	Currency LW	Domestic Currency	Balance option	►					X
_	Controlling balances							Balance		
	· Fixed assets transactions							option		
	Capital transactions									
	Inventories IC-stocks	Group/Sub-group				Ba	lance option	Short name	Description	
	Provision transactions	Company		Business unit		ALT	т	FinStatem.	FinancStatement	
	O: Additional development transaction	Closing date actual period		Eact		BU	с	Postings	Postings	
	Position balances ex reports	g uno anna ponoa				NE	U	NewFinStat	NewFinancStatem	ent
	GUIDE Check Sums	Chart of positions code		Position/item No.						
	Exchange rates	Chart of accounts		Account		Da	ata rows read: 3		Cancel	OK
	@ Margin of products	Balance sheet/Profit Loss		Debit/credit code						
	Amount consolidated financ.state									
	Masterfiles	Flag		IC details						
	Amount indiv.finan.statements	Controlling flag 1	1	ransaction development/PL						
÷	Amount consolidated financ.state	Controlling flag 2								
							_			
							_			
_		Chart of contr.objects 1		Controlling object1			-			
_		Chart of controbjects 2		Controlling object2			-			
-				Oratarillan abjecto			-			
		Chart of contr.objects 3		Controlling objects			-			
		Chart of contr.objects 4		Controlling object4			-			
		Chart of contr.objects 5		Controlling object5			-			
		Chart of controhiosts 6		Controlling object6			-			
		Chart of controbjects o		Controlling objecto			-			
		Chart of contr.objects 7		Controlling object7			-			
		Chart of contr.objects 8		Controlling object8						
		Chart of controhiects 9		Controlling object0						
		chart or contr.objects a		Controlling objects						
		Chart of contr.objects10		Controlling object10						
		Cell_Reference		Report ident						
				Report ident						
<	>									
-					Everlandla	Canaal	014			
	Information			WB	Excercells	Cancel	OK			

5.2.8 Fixed asset transactions

Using the Fixed asset transactions application, IDL.XLSLINK reads the development transactions in IDL.KONSIS in "ANLBEW."

	IDL Formula	- Read functi	on : Fixed assets transactions				>
Read function (From IDL Konsis) Masterfiles Masterfiles Masterfiles Account balances Controlling balances Shreen Scattered Shreen Scattered Shareholding/participations	System Currency Group/Sub-group Company	IDLDB	xlslink_master	Mode Balance option Business unit			
O Additional development transar O Position balances ex reports O GUIDE Check Sums O Exchange rates Margin of products Export function (To IDL Konsis) Masterfiles Masterfiles	Intercompany Closing date actual period Chart of accounts Chart of positions code Debit/credit code		Accou	IC-business unit Fact Int for fixed assets Position/item No.		-	
e-₩ Amount consolidated financ.state	Transaction development Transaction development area Dev.Column ex fact from postings			Fixed asset Posting key Posting date ex voucher		1	
< >	Cell-Reference			WE	Excelcells	Cancel	ОК

5.2.9 Development transactions

The IDL.XLSLINK reads the development transactions in IDL.KONSIS in the respective applications "xxxBEW" with the applications capital / provision / additional development transactions.

	IDL Formula - Read fu	Inction : Add	itional development	transactions		×
Read function (From IDL Konsis)						^
Masterfiles Amount indiv finan statements	System I	DLDB	xlslink master	Mode	S	Value
Account balances	Currency	w	- Domestic Currency	Balance option	NEU	NewFinanc Statement
- @ IC-account balances		vv	Domestic Guirency	Dalance option	NLO	New maneotatement
Controlling balances						
- Q? Fixed assets transactions						
Inventories IC-stocks	Group/Sub-group					
Provision transactions	Company			Business unit		
Additional development transactions	Intercompany			IC-business unit		
Position balances ex reports	Closing data actual pariod			East		
- @ GUIDE Check Sums	closing date actual period			Faci	P	
	Chart of accounts			Account		
Amount consolidated financ.statem.	Chart of positions code			Position/item No.		
Export function (To IDL Konsis)	Debit/credit code					
Masterfiles Amount indiv finan statements	Balance sheet/Profit Loss					
Amount consolidated financ.statem.						
	Torono di su deve la second					
:	Transaction development					
	Transaction development area			Posting key		
	Dev.Column					
	ex fact from voucher			ex-voucher		
	ChaCostCen			Controlling object1		
				Ocateoling object		
	Chart of contr.objects 2			Controlling object2		
	Chart of contr.objects 3			Controlling object3		
	Chart of contr.objects 4			Controlling object4		
	Chart of contr.objects 5		-	Controlling object5		
	Chart of contr.objects 6			Controlling object6		
	Chart of controbiects 7			Controlling object7		
	Chart of controbjects ?			Controlling object?		
	Chart of Contr. Objects o		-			
	Chart of contr.objects 9			Controlling object9		
	Chart of contr.objects10			Controlling object10		
Information					Excelcells	Cancel OK

5.2.10 Position balances ex reports

IDL.XLSLINK uses the Position balances ex reports application to read the values in IDL.KONSIS in the POSSAL application. It is mandatory to select one of the balance options:

- ALT: The account balances of the individual financial statement are read (POSSAL).
- **BUC**: The postings of the individual financial statement are read (BUCH).
- **NEU**: The result of account balances and postings is read.

	L Formula - Read function : Position b	alances ex reports]	_				
mead function (From IDL Konsis) meil Masterfiles meil meatrifiles meil meatrifiles meil Count Index fram statements meil Count Index framework meil Count Index framework meil Count Index framework meil Count Index framework mean framework	System IDLDB Currency LW Company Closing date actual period Chart of positions code Origin report number	xislink_mas Domestic C	Mode S Balance option Business unit Fact Position/Item No.	Value Balanc ALT BUC NEU	e option	Balance option Short name FinStatem. Postings NewFinStat	Description FinancStatement Postings NewFinancStateme	×
	Cell-Reference		Excelcells Cancel	Data ro	ws read: 3		Cancel	ок

To be able to read position balances at the company level with IDL.XLSLINK, it is necessary that the report with the option "Position balances ex reports" has been created in IDL.KONSIS in the application "REP."

Background: Position balances cannot be entered in IDL.KONSIS. They are automatically generated by IDL.KONSIS when the user creates a report with the entry S or P by pressing the position balance output button.

(Company reports			*																								
-	Start > Company reports (400 - 12.2014 - H4)																											
 +	Table																											
ction	Report	Rep	B/Unit	Report version description			Sta	itus			Message	Detail	к	Column	Previous	Report	Trans.		Report	t	LC	C/G	C/P	R	eport result		Number	
Sele	ID	vers				DevTr		1	Balance	s		Option		Option	Period	Туре	Devel.	D/C	Pos	Cpl				User	Date	Time	of	
					LC	GC	PC	LC	GC	PC								Cntr	Bal	acc							Records	
	T																											
	ERF-BG	01		Erfassungsformular				~	1	1			х		12.2013	E		GS		к	EUR	EUR	TEU	IDLADMIN	18.11.2011	10:59	732	
	HGB-A	01		Anlagespiegel	~	1	\sim	~	1	1		TA	х	\$AVB		D	А	-			EUR	EUR	TEU	IDLADMIN	02.09.2010	11:58	100	3.880.275
	HGB-B	01		Bilanz				~	~	1		TA	х	#ALT				GS			EUR	EUR	TEU	IDLADMIN	02.09.2010	11:58	260	
	HGB-B	02		Bilanz				~	1	1		TA	х	#ALT				GS	s		EUR	EUR	TEU	IDLADMIN	02.09.2010	11:58	260	
	HGB-G	01		GuV				~	1	1		TA	х	#ALT				GS			EUR	EUR	TEU	IDLADMIN	02.09.2010	11:58	174	
	HGB-G	02		GuV				~	~	1		TA	х	#ALT				GS	s		EUR	EUR	TEU	IDLADMIN	02.09.2010	11:58	174	
	HGB-K	01		Eigenkapitalspiegel	~	~	~	~	~	1		TA	х	\$KAPG		D	к	-			EUR	EUR	TEU	IDLADMIN	02.09.2010	11:58	58	358.39(
	HGB-R	01		Rückstellungsspiegel	~	~	~	~	~	1		TA	х	\$RUEG		D	R	-			EUR	EUR	TEU	IDLADMIN	02.09.2010	11:58	20	1.337.17
	HGB-U	01		Umsatzreport							KON0036E		х			D	A	GS			EUR	EUR	TEU	IDLADMIN	02.09.2010	11:58		
	RLZ V	01		Restlaufzeiten Verbindlichkeiten				~	1	1		TA	х					-			EUR	EUR	TEU	IDLADMIN	02.09.2010	11:59	50	

5.2.11 Shareholding/participations

This function can be used to read the shareholdings maintained in IDL.KONSIS (GESGES). The reading of the shareholding percentages is controlled by the field "Field definitions."

ID Read function (From ID) Konsis	. Formula - Read fu	inction : Shareholding,	/participations	×			
And Masterfiles Amount indiv.finan.statemen Amount indiv.finan.statemen Or Account balances Or IC-account balances Or Controlling balances Or Exed assets transaction	3	System Currency	Mode Balance option				
Capital transactions Capital transactions Inventories IC-stocks Provision transactions Additional development t Position balances ex rep GUIDE Check Sums	s Inte nsa Closing date act ts Chart o	Company ercompany tual period of accounts	Business unit IC-business unit Fact Account				
	tate Transaction develop Di s tate Field	definitions	Transaction development Posting key				
<	Re Cell-I	eport ident	T Excelosile Cr	Field Field definitions InvestmentVolingPercentage value InvestmentCapitalPercentage value	I definitions Short name Investment voting percentage Investment capital percentage	Description InvVoting% InvCapita%	
				Data rows read: 3	Investment result percentage Mode	InvResult% Cancel	ОК

5.3 Read function Group financial statement data

5.3.1 Account balances

The export function for account balances has the following special features:

IDL I	Formula - Read function : Accou	int balances	Currency	
Read function (From IDL Konsis) Masterfiles Amount indiv.finan.statements Amount consolidated financ.statem.	System IDLDB Currency	c Mode Balance option	Currency Short name Description KW GroupCurr Group Curren PW ParalCurr Paralel Curren	:y cy
O IC-account balances O Controlling balances O Fixed assets transactions			Data rows read: 2	Cancel OK
Capital transactions Provision transactions	Group/Sub-group			
Additional development transaction	Company	Business unit		
Position balances ex reports Group monitor	Closing date actual period	Fact		
Export function (To IDL Konsis)	Chart of positions code	Position/item No.	- i Mada	
Masterfiles	Chart of accounts	Account	Mode	ilii i
Amount indivitinan statements Amount consolidated financ.statem.	Balance sheet/Profit Loss	Debit/credit code	Mode Short name Description	
	Flag	IC details	S Value Value	
	Transaction development	Posting key	M Quantity Quantity	
	Transaction development area	Inter/intra segment key	C Field/Listbox Field/Listbox	
	Report ident	Transaction development/PL		
			Data rows read: 3	Cancel OK
	Posting affecting net income	Posting record No.		
	State of consolidation	VNoCFRecGr		
	Voucher No. Company 1	Voucher No. Company 2		
	VNoCFBas	Voucher No current number	Balance option	iin iz
	VNoCF-DT	VNoCFCaF	Balance option Short name Description	
			SUM GroupFinSt GroupFinancStat	em.
	Cell-Reference		KON ConsPostgs Cons.postings KONO ConsPostSG Consolidation po	sting without sub-group
>			KTK ConsFinSta ConsFinancState	m.
		Turkille And	Data rows read: 4	Canad

- Currency: The currency types **KW** for Group currency and **PW** for parallel currency are offered for selection for the group.
- Mode: As in individual closing, you can only work with mode **"S**" for single value and **"M**" for value quantity.
- Balance option: You can choose from four variants typical for the Group:
 - **SUM**: The account balances of the summarized financial statement are read (KTOSAL).
 - **KON**: The consolidation postings of the Group financial statement including all subgroups are read (KONBUCH).
 - **KONO**: The consolidation postings of the Group financial statement are read (KONBUCH). The subgroups are not taken into consideration.
 - KTK: The result from account balances and consolidation postings is read.

5.3.2 Position balances ex reports

IDL Form	ula - Read function : Posit ex reports	ion balaı	nces		_ = ×						
Read function (From IDL Konsis) Masterfiles Masterfiles Amount indiv.finan.statements Account balances Craccount balances Controlling balances	System IDLD Currency KW	В	[Mode S Balance option	,		Balance	option			×
Crived assets transactions Capital transactions Provision transactions Additional development transact O Position balances ex reports Group monitor Export function (To IDL Konsis)	Group/Sub-group Company Closing date actual period Chart of positions code	F	Business unit Fact		Balance option SUM KON KONO KTK	Short name GroupFinSt ConsPostgs ConsPostSG ConsFinSta	Description GroupFinancSt Cons.postings Consolidation p ConsFinancSta	atem. osting without s tem.	ub-group		
Masterfiles Masterfiles Mount indiv.finan.statements Mount consolidated financ.state	Origin report number				-	Data rows read: 4			Cancel		OK
Information			Excelcells	Cancel	ОК						

With the balance option, the four Group-specific variants are also available for selection in the "Position balances ex reports" export function:

- SUM: The account balances of the summarized financial statement are read (POSSAL).
- **KON**: The consolidation postings of the Group financial statement including all subgroups are read (KONBUCH).
- **KONO**: The consolidation postings of the Group financial statement are read (KONBUCH). The subgroups are not taken into consideration.
- KTK: The result from account balances and consolidation postings is read.

To be able to read position balances at Group level with IDL.XLSLINK, you must have created the report with the setting S or P in the button for position balances in IDL.KONSIS in the "REPK" application.

Background: Position balances cannot be entered in IDL.KONSIS. They are generated automatically by IDL.KONSIS if a report with the corresponding setting has been created in IDL.KONSIS.

Difference between Report Option S and P										
Р	S									
Position balances are generated for the entire Group and also for the individual companies.	Position balances are only generated for the entire Group.									

Group reports ← Ø Start > Group reports (V	VELT - 12.2008 -	- 14)										StorPosBa	il P	with	storing po	FitToF sition acc.	age balances	w. com	IP -		
Selection	Table											DetailOptF	s	with	storing po	sition acc.	balances				
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12.2008	HGBGUV	02		GuV				~	~	~	~	IAR0125E		х		E		GS	Ρ	EUR	TEU
	HGBGUV	01		GuV				~	~	~	~	IAR0125E		Х		E		GS		EUR	TEU
Fact	HGBBIL	02		POSSAL				~	~	~	~	IAR0125E		Х		E		GS	S	EUR	TEU

6 The Export function

6.1 The Export function

Step 1) Call up the IDL formula in the cell in which the reference to the export of data is to be created.

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2	company	001								
3	period	12.2018								
4	fact	14								
5	chart of acc.	KON001								
6										
7	account	description	amount		export account					
8	02010	Franchises, industr. property right	1.096.141,10€		EAKTOSAL					
9	05010	Vacant land	321.295,82€							
10	05011	Built-upon land	1.469.286,19€							
11	08010	Other equipment, office equipment	158.155,86€							
12	11010	Shares in affiliated companies	7.910.999,28€							
13	12010	Loans due to affiliated companies	200.000,00€							
14					Í Í					

Step 2) Depending on the facts, the corresponding input mask is selected in the selection tree in the area of the Export function.

🗄 🖷 Masterfiles
🖶 🖿 Amount indiv.finan.statements
Amount consolidated financ.statem.
Export function (To IDL.KONSIS)
🖻 🖬 Masterfiles
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Charts of accounts
Groups/Sub-groups
Company data
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Company+business unit allocations
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Report line definitions Poport column descriptions
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- @ Account balances
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Controlling balances
Fixed assets transactions
Capital transactions
Provision transactions
Inventories IC-stocks
Shareholding/participations
Additional development transactions
Postings
Exchange rates
- Ouchers
Margin of products
Amount consolidated financ.statem.
Consolidation vouchers
Consolidation postings
Stoup monitor

Step 3) In the input mask, the IDL.XLSLINK reference for the export is created by filling individual fields. The fields highlighted in color are mandatory fields.

IDL Formel	- Export function : A	ccount bala	ances		_
Read function (From IDL Konsis) Masterfiles Amount indiv.finan.statements Amount consolidated financ.sta Export function (To IDL Konsis) Masterfiles	System	IDLDB			
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IC-account balances	Closing date actual period	(\$B\$3)		Fact	(\$B\$3)
Controlling balances	Chart of accounts	KON001		Account	(A9)
Capital transactions Provision transactions Provision transactions Provision transactions	Debit/credit code Remark	(C9)	Co	ding language	ENG
O Shareholding/participations Additional development tran O Postings Exchange rates O Vouchers Margin of products V	Amount local currency Amount group currency	(D9)	Amount pa	rallel currency	
<					
Information	Sheet1!E9		Excelzellen	Cancel	ОК

Step 4) The export formula is displayed and can be copied to other cells:

F	ile Hom	e Insert Page Layout Formula	S	Data Review	View Au	utomate	Develo	per
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2	<u>Company</u>	001						
3	Period	12.2018						
4	Fact	14						
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6								
7	Account	Account description	D C	Local currency	Export			
9	02010	Franchises, industr. property right	D	1,000.00	EAKTOSAL			
10	05010	Vacant land	D	321,295.82				
11	05011	Built-upon land	D	1,469,286.19				
12	08010	Other equipment, office equipment	D	158,155.86				
13	11010	Shares in affiliated companies	D	7,910,999.28	-			
14	12010	Loans due to affiliated companies	D	200,000.00				
15								
16								

Step 5) In the "Export" area of the menu bar, select the appropriate submenu item depending on the area to be exported.

If a selected range is to be exported, it must be marked before clicking on the "Selected Range" tab.

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10	05010	Vacant lar	nd		D	321,295.82	EAKTOSAL				
11	05011	Built-upon	land		D	1,469,286.19	EAKTOSAL				
12	08010	Other equi	ipment, office e	equipment	D	158,155.86	EAKTOSAL				
13	11010	Shares in	affiliated comp	anies	D	7,910,999.28	EAKTOSAL				
14	12010	Loans due	to affiliated co	ompanies	D	200,000.00	EAKTOSAL				
15											
10											

Step 6) The export is triggered:

			_						
Application	Excelcells	Export	ок	Error	State	With carry forward			
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Options (Sen	d to Konsis) S	ave 💿 Delete	/Save (UMSE				
Ready		2) 3	5)			4)	Export	Remove	Exit

- 1) Six rows have been found for the selected action.
- 2) Save: The data is loaded directly into the IDL database.

3) Delete/Save: The data is loaded directly into the IDL database. The existing data in the database is first deleted and then the new data is imported.

4) Export button: starts the export process.

	А	В	С	D	E	F	G	н	1	J	К	L	М	N	0	Р	Q	R
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2	Company	001																
3	Period	12.2018														_		
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9	02010	Franchises, industr. property right	D	1,000.00	Please wait								Provision tra	nsactions (E	ARUEBEW)			
10	05010	Vacant land	D	321,295.82	lease wait								Additional de	evelopment v/participativ	transactions	(EASPIBEW)		
11	05011	Built-upon land	D	1.469.286.19	lease wait							1	marenoiding	y participatio	UNA (EMOESC	100/		
12	08010	Other equipment, office equipment	D	158 155 86	EAKTOSAL													
13	11010	Shares in affiliated companies	D	7,910,999,28	EAKTOSAL													
14	12010	Loans due to affiliated companies	D	200 000 00	FAKTOSAL							Select p	ath for expo	ort files				
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29															1			
30		Ready									Export	Remo	ve	Exit				
31																		
32																		

Additional settings for the export can be made in the field "Options."

- With carry forward: According to the IDL logic, the carry forwards are created as part of the Group and individual financial statement carry forwards and are not imported in any other way. If, however, it is necessary for certain reasons, the export of the carry forward movements can be activated.
- Select path for export files: The data can either be loaded directly into the IDL database or indirectly via a txt file. If an individual path is to be used, it can be selected via the "Save into textfile" button. By default, the import path of IDL.KONSIS is set here.

				×		
Options						
View Print Import/export	General Col	ors Planning application		-		
Г	Path details —		_			
	Export	C:\Users\clasen\IDL\IDLPlus\export\	•			
	Import	C:\Users\clasen\IDL\IDLPlus\batch\	•			
	Data exchange	C:\Users\clasen\IDL\IDLPlus\batch\	•			
Г	Start import	Finish import				
	Suppress st	artmessagebox				
	Suppress m	essages Print final message automa	tically			
5	🛛 Suppress imp	oort filedialog 🛛 🗌 Suppress export filedialog				
C	import log in a	latabase				
Export to excel						
	export select	area				
4				•		
		Ok Cancel				

Step 7) As soon as the export is completed, the status message for the export will appear; either the processing has gone through without errors or an error message is displayed. The corresponding information is also displayed in the Excel cell.

	File Hom	ne Insert Page Layout Formula	15	Data Review	View Au	tomat	te Dev	veloper	Help	IDL Xlslink					
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12	08010	Other equipment, office equipment	D	158,155.86	EAKTO	SAL									
13	11010	Shares in affiliated companies	D	7,910,999.28	EAKTO	_ <u>.</u> L									
14	12010	Loans due to affiliated companies	D	200,000.00	EAKTO	S/ L									
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29											Euro			E	
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The settings from the input mask can be found in the formula bar:

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14	12010	Loans due to affiliated com	panies D	200,000.00	EAKTOSAL	-								
15														

The formula name reflects the associated function. Here **EA** for individual financial statement and **KTOSAL** for account balances.

6.2 Export of master and control files

6.2.1 Accounts

This input mask is used to export accounts to IDL.KONSIS in the "KTO" application.

IDI	L Formel - Export function	n : Accounts
Read function (From IDL Konsis)	System IDL	DB
Export function (To IDL Konsis) Masterfiles Charts of accounts	Chart of accounts Language code	Account Acc.B/Unit
Groups/Sub-groups Groups/Company data Gompany data Gompany+business unit alloca	Description Short name	Balance sheet/Profit Loss
Columns of transaction development Outright Columns of transaction develop Outright Columns definitions Outright Columns Outright	Flag IC details	Transaction development/PL Validation of IC details
Report column descriptions Report column options Posting keys	Account for aggregation Account if D/C changed	Consolidation function
Positions Positions Positions+accounts allocation Octrolling objects Octron currency codes	Alloc.chart of accounts Valid from	Alloc.account Valid until
	Account plan Accounting standard	RepostSequ Account result carry-forward
Voucher classifications / cons Check rules Check rules/Positions Check rules/Positions	Reposting at carry forward	Account minority interests AccAggPlan Flag quart
User groups Transformation groups Report ident	Enterable per period type	
	+/- contr.dim.1 +/- contr.dim.3	+/- contr.dim.2 +/- contr.dim.4
	+/- contr.dim.7 +/- contr.dim.9	+/- contr.dim.8 +/- contr.dim.10
< >>	Tabelle 1!C9	Excelcells Cancel OK

6.2.2 Positions + accounts allocations

In the IDL.KONSIS logic, each account is assigned to a position. Conversely, each position consists of one or more accounts.

With this function, IDL.KONSIS imports into the POSKTO application which account is to be allocated to which item.

Read function (From IDL Konsis) → Amount consolidated financ.statem. → Company data → Commony basiness unit allocations → Columns of transaction development → Column soft column depontent → Report column depontent → Report column options → Positions → Positions → Controling objects → Fromula lines list → Formula lines list → Check rules/Positions → Check rules/Positions → Check rules/Positions → Check rules/Positions → Transformation groups → Report ident → Amount indy financ statem.		IDL Formel	- Export function : Po allocations	ositions+accounts		_ = ×
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-@ Report line definitions -@ Report column options -@ Posting keys -@ Positions -@ Controlling objects -@ Controlling objects -@ Fixed assets objects -@ Formula lines list -@ Country codes -@ Check rules/Positions -@ Check rules/Positions -@ Check rules/Positions -@ Check rules/Positions -@ Report ident # Amount induction finant.statements	Development areas				Valid until	
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 Fixed assets objects Formula lines list Transformation group allocations Country codes Voucher classifications / consolidation f Check rules Check rules/Positions Charts of positions User groups Transformation groups Report ident Amount indiv.finan.statements Amount consolidated financ.statem. 	Currency codes					
 Formula lines list Transformation group allocations Country codes Voucher classifications / consolidation f Check rules/Positions Check rules/Positions Charts of positions User groups Transformation groups Report ident Amount indiv.finan.statements Amount consolidated financ.statem. 	Fixed assets objects					
Transformation group allocations Country codes Voucher classifications / consolidation f Check rules Check rules Charts of positions User groups Transformation groups Report ident Amount indiv.finan.statements Amount consolidated financ.statem.	Formula lines list					
Country codes Voucher classifications / consolidation f Check rules Check rules/Positions Charts of positions Others of positions Transformation groups Report ident Amount indiv.finan.statements Amount consolidated financ.statem.	Transformation group a	llocations				
 Voucher classifications / consolidation f Check rules Check rules/Positions Charts of positions User groups Transformation groups Report ident Amount indiv.finan.statements Amount consolidated financ.statem. 	Country codes					
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User groups Wer groups Amount indiv.finan.statements Wer groups Amount consolidated financ.statem.	Charts of positions					
Image: Second secon	User groups					
In the second dent Image: Image: Im	Transformation groups					
 B Amount indiv.finan.statements B amount consolidated financ.statem. 	Report ident					
	Amount indiv.finan.statem	ents				
	Image: Image	nc.statem.				
	<	>				
Information Tabelle 1!C9 Tabelle 1!C9 Cancel OK	L Informa	ation	Tabelle1!C9		Excelcells Cance	ОК

6.2.3 Report line definitions

A report line definition determines how a report is structured and from which positions totals rows are calculated.

The report line definition is necessary for creating reports in IDL.KONSIS and using IDL entry forms.



6.3 Export individual financial statements

6.3.1 Account balances

This function imports account balances according to IDL.KONSIS into the "KTOSAL" application.

IDL Form	nel - Export function : A	ccount balanc	es	_ = ×
Read function (From IDL Konsis) Asterfiles Amount indiv.finan.statements Amount consolidated financ.statem. Amount indiv.finan.statements Masterfiles	System	IDLDB		
Amount indiv.finan.statements	Company	167141	Business uni	t
- @ IC-account balances	Closing date actual period	12.2019	Fac	t A4
Controlling balances Fixed assets transactions	Chart of accounts	KON001	Accoun	t 50010
Capital transactions	Debit/credit code		Coding language	•
Provision transactions Provision transactions Inventories IC-stocks Shareholding/participations Additional devalues at tensors	Remark			
	Amount local currency	123456.78		
- @ Exchange rates	Amount group currency		Amount parallel currency	/
L Information			Excelcells Cano	ol OK

6.3.2 IC account balances

This function is used to record intercompany business relationships.

In addition to the usual country currency, you can also maintain a transaction currency.

IDL Forme Read function (From IDL Konsis) Masterfiles Amount indiv.finan.statements Amount consolidated financ.statem. Export function (To IDL Konsis) Masterfiles	I - Export function : IC-	account baland	ces	×
Amount indiv.finan.statements	Company	167141	Business unit	
C-account balances	Closing date actual period	12.2019	Fact	A4
Controlling balances Fixed assets transactions	Chart of accounts	KON001	Account	50011
Capital transactions				
	Debit/credit code		Coding language	
Shareholding/participations Additional development transactions			IC-business unit	
Postings	Intercompany	167142		
Constant of products Marcin of products	Amount local currency	123456.78		
Amount consolidated financ.statem.	Amount transaction currency		Currency code of transaction	
	Remark			
	number of reference voucher			
	date of reference voucher		clearing flag	
	ChaCostCen		Controlling object1	
	Chart of contr.objects 2		Controlling object2	
	Chart of contr.objects 3		Controlling object3	
	Chart of contr.objects 4		Controlling object4	
	Chart of contr.objects 5		Controlling object5	
	Chart of contr.objects 6		Controlling object6	
	Chart of contr.objects 7		Controlling object7	
	Chart of contr.objects 8		Controlling object8	
	Chart of contr.objects 9		Controlling object9	
	Chart of contr.objects10		Controlling object10	
I. Information	Tabelle1!C9	í	Excelcells Cance	ЮК

6.3.3 Development transactions

With these applications, IDL.XLSLINK exports the development transactions to IDL.KONSIS to the respective application 'xxxBEW.'

IDL Formel -	Export function : Fixed	assets transa	ctions		_ = ×
 Read function (From IDL Konsis) Masterfiles Amount indiv.finan.statements Amount consolidated financ.statem. Export function (To IDL Konsis) Masterfiles 	System	IDLDB			
Amount indiv.finan.statements	Company	167141	F	Fixed asset	A02020
C-account balances	Closing date actual period	12.2019	Bu	siness unit	
Controlling balances Fixed assets transactions	Intercompany		IC-bu	siness unit	
Capital transactions	Fact	A4			
Provision transactions Inventories IC-stocks	Chart of accounts	KON001	Account for fi	xed assets	02020
Shareholding/participations	Transaction development	A	P	Posting key	115
Additional development transactions Postings	Posting date		Debit/c	credit code	
@ Exchange rates @ Vouchers @ Margin of products ⊕-■ Amount consolidated financ.statem.	Remark		Coding	g language	
	Amount local currency	123456.78			
	Amount group currency		Currency conversion	on rule GC	
	Exchange rate		D	atExchRat	
	Amount parallel currency		Currency conversion	on rule PC	
	Exchange rate PC		Da	atExchRPC	
I Information	Tabelle1!C9		Excelcells	Cancel	ОК

6.3.4 Shareholding/participations

With this application, IDL.XLSLINK exports the shareholding transactions to IDL.KONSIS to the 'GESGES' application.

IDL Formel - I	Export function : Shareh	olding/partici	pations	_
Amount Indivitinan.statements Amount consolidated financ.statem. Export function (To IDL Konsis)	-,			
Masterfiles Amount indiv.finan.statements	Company Closing date actual period	167141	Business unit	
Account balances Or account balances	Fact	A4		
© Controlling balances	Chart of accounts	KON001	Account	12010
Capital transactions	Posting date	31.12.2008	Debit/credit code	
Provision transactions Inventories IC-stocks			Coding language	
Shareholding/participations	Transaction development	В	Posting key	02
 Additional development transactions Postings 	Intercompany	167142	IC-business unit	
Exchange rates	Investment capital percentage	15	Investment voting percentage	15
Margin of products	Investment result percentage	15		
Amount consolidated financ.statem.	Remark			
	Local currency amount	200000		
	Amount group currency		Currency conversion rule GC	
	Exchange rate		DatExchRat	
	Amount parallel currency		Currency conversion rule PC	
	Exchange rate PC		DatExchRPC	
	Profit or loss account		C = profit, D = loss	
	Result LC		Profit or loss value GC	
Information	Tabelle1!C9		Excelcells Cance	і ок
6.3.5 Vouchers and postings

Before one or more postings can be exported to IDL.KONSIS, a corresponding document header must be set up in the "BEL" application. If no document header has been set up, the message "No posting document exists" will appear in the export notice.

Vouchers can be exported to IDL.KONSIS via the input mask "Vouchers."

			-		X
IDL F	ormula - Export function	on : Vouchers			
	•				
Read function (From IDL Konsis)					
🖶 🖬 Masterfiles	Sustem				
Amount indiv.finan.statements	System	IDLDB			
Amount consolidated financ.state					
Export function (To IDL Konsis)					
				_	
Amount indiv.finan.statements	Company	001		Business unit	
Account balances	Closing data actual pariod	40.0000		East	10
IC-account balances	Closing date actual period	12.2023		Faul	пз
Controlling balances	Voucher No.	001-1			
Capital transactions					
Provision transactions					
inventories IC-stocks	Posting type	E			
Shareholding/participations	Voucher date	31 12 2023			
Additional development transa	touchor duto	51.12.2025			
- @ Postings	Voucher text	Adjustments IFRS			
Exchange rates					
Vouchers					
Margin of products	Processing tag	В			
Amount consolidated financ.state	TargetFact				
Consolidation vouchers	Ŭ				
Consolidation postings					
Group monitor	Voucher classification			WithAccum	
	Deferred taxes		Voucher No.	deferred taxes	
	Deletted taxes		voucher NO.	uciencu taxes	
< >					
I Information	Start!B9		Excelcells	Cancel	OK

With this application, IDL.XLSLINK exports the postings to IDL.KONSIS:



6.4 Export Group financial statement

6.4.1 Consolidation vouchers

To be able to load consolidation postings into IDL.KONSIS, the consolidation vouchers must first be available in the database. These can be imported into the system using IDL.XLSLINK.

For the setup, specifications in ten mandatory fields are required:

IDL For	mula - Export function : Consolidation vouchers	_
Read function (From IDL Konsis) The Masterfiles The Amount indiv.finan.statements The Amount consolidated financ.state Export function (To IDL Konsis) The Masterfiles	System IDLDB	
Amount indiv.finan.statements Amount consolidated financ.state Consolidation vouchers Consolidation postings Group monitor	Group/Sub-group WELT Closing date actual period 12.2019	Fact A4
	Posting type WU Processing tag B	
	Voucher date 01.12.2019	
< >>	Voucher text Adjustments Voucher No. Company 1 001 VNoCFBas MB VNoCF-DT	Voucher No. Company 2 002 VNoCFRecGr 00 F VNoCFCaF Voucher CurrNo
Information	Company data - GES: OK (1)	Excelcells Cancel OK

6.4.2 Consolidation postings

After creating or importing the consolidation documents, the consolidation entries can be imported. The corresponding Voucher no. with its individual components must be entered:



All three relevant fields for the entry of the posting amounts

- Debit/credit code
- Debit amount group currency
- Credit amount group currency

are now enabled for entry independently of each other:



The following cell content can be in the S/H Indicator field - other content will result in an error:

- Empty no content at all in the Excel cell.
- 'D' indicates debit value => amount from the field for GG Debit will be exported
- 'C' indicates credit value => amount from the field for CG Credit will be exported

(<u>Note:</u> If you want to use the English variant D/C, you have additionally to enter ENG in the field for 'Coding Language', or otherwise work with the German characters S (for D) or H (for C)).

The following cell contents can be in the fields for the debit or credit amount - other contents will result in an error:

- Empty i.e. no content in the input field or in the assigned Excel cell.
- 0 zero by direct input, formula or empty cell reference
- a positive value by direct input, formula or cell reference to pos. value
- a negative value by direct input, formula or cell reference to neg. value

If an S (for debit) is entered in the S/H indicator field, the value entered in the debit amount field will be exported. If this value is **positive**, it will be written as a **debit** entry; if it is **negative**, it will be written as a **credit** amount.

Similarly, if "H" is entered in the field for the S/H indicator, the amount entered in the credit field will be taken into account; if the value is **positive**, it will be written as a **credit** entry, if it is **negative**, it will be written as a **debit** entry.

Read function (From IDL Konsis)	IDL Formula - Export	t function : C	onsolidation po	ostings		×
Masterfiles Amount indiv.finan.statements Amount consolidated financ.statem.	System	IDLDB	conn231_mssql			
Export function (To IDL Konsis)	Voucher No. Company 1	001	(001)	Voucher No. Company 2	002	(002)
Amount indiv.finan.statements	VNoCFBas	MB	MB	VNoCFRecGr		`
Amount consolidated financ.statem. Gonsolidation vouchers	VNoCF-DT	00	00	VNoCFCaF		
Consolidation postings Group monitor				Voucher No current number		
	Group/Sub-group	WELT	(WELT)	Posting record No.	1	
	Company	001	(001)	Business unit		
	Closing date actual period	12.2019	(12.2019)	Fact	A4	(A4)
	Chart of accounts	KON001	(KON001)	Group account	50010	(50010)
	Transaction development			Posting key		
	Company			Fixed asset		
	Remark					
	Currency conversion rule PC			Minority Interests		
				Deferred taxes		
	Debit/credit codes	С	(C)	Coding language	ENG	(ENG)
	GC Debit	123		GC Credit	5692	
	PC Debit			PC Credit		
	ChaCostCen			Controlling object		
	Chart of contr.objects 2			Controlling object2		
	Chart of contr.objects 3			Controlling object3		
	Chart of contr.objects 4			Controlling object4		
	Chart of contr.objects 5			Controlling object5		
	Chart of contr.objects 6			Controlling object6		
	Chart of contr.objects 7			Controlling object7		
	Chart of contr.objects 8			Controlling object8		
	Chart of contr.objects 9			Controlling object9		
	Chart of contr.objects10			Controlling object10		
Information				The second secon	celcells Canc	el OK

If there is no entry in the field for the D/C code, the amount from the field that contains an entry is exported. If amounts are entered in both fields without an S/H entry, no export will take place because no unique assignment is possible.

Thus, only one of the two amount fields can be used as "the" input field, analogous to the single record entry in IDL Konsis.

7 Excursus – Excel

Each formula begins with an equal sign (=). The work is preferably done with cell references. This offers the advantage that the formula result always adapts when the corresponding cell content is changed (variable values). However, fixed values (constant values) can also be used in a formula.

The result of a formula is shown in the cell in which the formula was entered. The formula itself can be seen in the editing toolbar. The formula can also be edited there if required.



7.1 Functions

Excel offers many ready-made formulas, the so-called functions.

Components of each function are function name and parenthesis open/closed. The information contained in the brackets is called arguments. The number of arguments varies from function to function. There are also functions that do not require arguments, e.g. TODAY(), NOW().

When a function is entered into a cell, a quick info with the syntax is displayed. When entering, the arguments required by the function will be displayed.

Multiple arguments are separated by a semicolon. Arguments can be cell references (individual cells, cell ranges), constant values (numbers, text) or other functions (nested functions).

7.2 Cell references

7.2.1 Relative cell reference

Basically, all cell references are relative, i.e. when copying, these cell references are adapted "relative" to the target position: When copying in the row (horizontal), the column letter is adapted and when copying in the column (vertical), the row number is adapted.

Example: in cell B7, the column sum is to be calculated. The formula is = TOTAL(B3:B6). The formula is then copied to cell C7. The cell references are adjusted automatically.

	А	В	С	D
1				
2		2019	2020	
3	1. quarter	1.200,00€	1.000,00€	
4	2. quarter	300,00€	1.200,00€	
5	3. quarter	2.000,00€	900,00€	
6	4. quarter	100,00€	1.000,00€	
7	Sum	3.600,00€	6.120,00€	
8		•	1	
9				
10		=SUM(B3:B6)	=SUM(C3:C6)	
11				
12				

7.2.2 Absolute cell reference

If a cell reference in a formula always refers to a specific cell, this cell reference must be specified as the absolute cell reference so that the result is correct after copying the formula.

It remains unchanged during copying and therefore does not adapt. To mark a cell reference as an absolute reference, a dollar sign (\$) is entered before the row and column caption. This can be done when entering the cell reference or later via the editing bar.

Example: In this example, cell B1, which contains the VAT rate, must be entered in the formula as the absolute cell reference so that the formula can be copied. The other cell references remain relative because they are to be adapted during copying.

	Α	В	С	D	E	
1	VAT	19%				
2						
3		Price excl. VAT	Price incl. VAT			
4	Product A	1.200,00€	1.428,00€		=B4*\$B\$1+B4	
5	Product B	300,00€	357,00€		=B5*\$B\$1+B5	
6	Product C	2.000,00€	2.380,00€		=B6*\$B\$1+B6	
7						
8						

Tip: The \$ characters can also be set with a single click of the F4 key on the keyboard.

7.2.3 Mixed cell reference

Cell references can also be entered as mixed references. This means that the entire cell is not taken as a fixed reference, but only the column or row is fixed:

- for the absolute column, enter the dollar sign before the letters (\$A3)
- for the absolute row, the dollar sign is entered before the number (A\$3).

Example: Starting from actual sales, you want to calculate two plan scenarios. For the formula of PLAN B, however, the formula of PLAN A should be used. So, the formula always remains in one row (absolute), but the column adjusts itself (relative).

	Α	В	С	D		
1			value 2020 (increase)			
2			1,50	1,1		
3		IST	PLAN A	PLAN B		
4	1. quarter	1.000	1.500	1.100		
5	2. quarter	1.200	1.800	1.320		
6	3. quarter	900	1.350	990		
7	4. quarter	1.000	1.500	1.100		
8						
	1					
				,		
			=\$B4*C\$2	=\$B4*D\$2		
			=\$B5*C\$2	=\$B5*D\$2		
			=\$B6*C\$2	=\$B6*D\$2		
			=\$B7*C\$2	=\$B7*D\$2		

7.2.4 Names for cells / cell ranges

For better clarity, individual cells or cell ranges can be assigned names. Formulas become clearer and more comprehensible if names are used instead of cell addresses. In addition, the navigation becomes easier, since the named cells/cell ranges can be controlled by their names. Names assigned once are available on all worksheets of the workbook.

There are two ways of naming the cell/cell ranges:

7.2.4.1 Variant 1:

The cell or area to be named is marked and the cursor is moved to the name field in the upper left corner of the editing bar. The desired name is entered and confirmed with Enter. The name must correspond either to a valid cell reference or to an existing name in the table.



7.2.4.2 Variant 2:

The name can also be entered via the "Formulas - Name manager - New" tab.



In IDL.XLSLINK, an Excel name field can be selected and inserted in the input window by using the right mouse click:

Group/Sub-group	WELT		Group World DE	P
Company	-		IDL Clipboard	1
Closing date actual period	12.2019	í	Excel named cell	
		≣	Excelcells	
		-6-	Cut	
Chart of accounts	KON001	Fa.	Сору	
Transaction development		Đ	Insert	
Company				

