THOMSON REUTERS EIKON 😑

Introduction to Eikon Excel



Document History

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Contents

n	troduction to Eikon Excel	1
	Document History	2
	1. Basics to Eikon Excel	5
	Overview	5
	Key Functions Available in Eikon Excel	5
	How to Generate a Basic Table <=RIC> and <=DI>	6
	How to use the <=TR> function on Excel	7
	How to use Eikon Answers on Excel <=ANS>	8
	Real-Time Data with Formula Builder	8
	2. Formula Builder	9
	Method 1: Formula Builder manually	9
	Method 2: Formula Builder through Cell Referencing	10
	3. Screener	12
	4. Charting	13
	5. ISIN to RIC	14

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Financial Information				Operating Income
Revenue	TR.Revenue	EV	TR.EV	Devenue Estimate
COGS	TR.CostofRevenueTotal	Market Cap	TR.CompanyMarketCap	EPITDA Estimato
Depreciation	TR.Depreciation	Shares Out	TR.SharesOutstanding	EBIT Estimate
Gross Income	TR.GrossProfit	EPS	TR.BasicNormalizedEps	Net Income Estimate
S, G & A	TR.SGandAExp	Fully Diluted EPS	TR.DilutedNormalizedEps	CEPS Estimate
Total operating exp	TR.TotalOperatingExpense	BVPS	TR.BookValuePerShare	EDS
Operating Income	TR.OperatingIncome	CFPS	TR.CFPSActValue	DPS
Interest Income	TR.NetInterestIncome	FCF Per Share	TR.FCFPSActValue	ROF
EBIT	TR.EBIT	DPS	TR.DpsCommonStock	ROA
EBITDA	TR.EBITDA	R&D	TR.ResearchAndDevelopment	
Pretax Income	TR.NetIncomeBeforeTaxes	Income Tax %	TR.IncomeTaxRatePct	
Net Income	TR.NetIncome	Dep & Amortization	TR.DepreciationAmort	Valuation (historical)
Total Assets	TR.TotalAssets	Cash & Equivalents	TR.CashAndSTInvestments	EV/ Total Revenue
Accounts Payable	TR.AccountsPayable	Receivables Total net	TR.TotalReceivablesNet	EV/EBITDA
Current Liabilities	TR.CurrentLiabilities	Inventories	TR.Inventories	EV/EBI1
Minority Interest	TR.MinorityInterestBSStmt	Current Assets	TR.CurrentAssets	P/BVPS
Preferred Stock Net	TR.PreferredStockNet	Total Debt	TR.TotalDebt	P/ TangBVP5
Total Liab & Equity	TR.TtlLiabShareholderEqty	Net Debt	TR.NetDebt	P/E
Fixed Income		Market Information		Valuation (forecast)
Issuer Name	TR.FilssuerName	RIC	TR.RIC	EV/Fwd Total Rev
Maturity Date	TR.FiMaturityDate	Closing Price	TR.PriceClose	Fwd EV/EBITDA
Current Yield	TR.FiCurrentYield	Opening Price	TR.PriceOpen	Fwd EV EBIT
Current Price	TR.FiPrice	Intra Day High	TR.PriceHigh	Foward P/EPS
PrincipalAmount	TR.FiFaceIssuedTotal	Intra Day Low	TR.PriceLow	PEG Ratio
		Trading Volume	TR.Volume	P/Foward CFPS
Credit Rating		Dividend Yield	TR.DividendYield	
Rating	TR.GR.Rating	BETA 5 Year	TR.BetaFiveYear	Valuation SmartEstimates
Moodys Rating	TR.FiMoodysRating	Shares Outstanding	TR.SharesOutstanding	Fwd EV/Revenue
S&P Rating	TR.FiSPRating	Headquarters	TR.HeadquartersRegion	Fwd EV/EBIT
Fitch Rating	TR.FiFitchsRating	Industry	TR.TRBCIndustry	Fwd EV/EBITDA
		Business Description	TR.BusinessSummary	Fwd P/EPS

Consensus Estimates

CAPEX

Average Broker Rec Price Target

- TR.RecMean, TR.RecLabel TR.PriceTargetMeanEst TR.CAPEXMean TR.OPRMeanEstimate TR.RevenueMeanEstimate TR.EBITDAMean TR.EBITMean TR.NetIncomeMeanEstimate TR.CFPSMean TR.EPSMeanEstimate TR.DPSMean TR.ROEMean TR.ROAMean
- TR.EVToSales TR.EVToEBITDA TR.EVToEBIT TR.PriceToBVPerShare TR.PriceToTangBVPerShare TR.PE
- TR.EV/TR.RevenueMeanEstimate TR.EV/TR.EBITDAMean TR.EV/TR.EBITMean TR.PtoEPSMeanEst TR.PEG TR.PtoCPSMeanEst
- TR.FwdEVtoREVSmartEst TR.FwdEVtoEBISmartEst TR.FwdEVtoEBTSmartEst TR.FwdPtoEPSSmartEst

Introduction to Eikon Excel

Date and Time functions								
=DfAddWD	Adds the nu	mber of working day	s to a dat	e <mark>]</mark> Syntax:	=DFAddMon	nths (Calendars, C	alcDate, Nb <mark>Months</mark> , DfMo	de)
=DfAddMonths	Adds the nu	mber of months to a	date	e.g.=Df/	AddWD("'USA'	","30JUN05",2,"")	
=DfAddYears	Adds a num	ber of years to a date	e	J Function	Output: July	5th 2005 (July 4t)	n 2005 is a non-working da	ay in the US,
=RTNow	Retrieves th	e current system tim	e	hence th	e next working	g day is retrieved)		
=RTToday	Retrieves th	e current system dat	te					
Financial Period Syntax					NULL: Popu	ulating empty cell	5	
Relative Periods			Period	Argument Codes	NULL:ZERO)	displays O	
FY[n] Fiscal Year	(Replace n	with 0 for last	FY0	Last Fiscal Year	NULL:NA		displays #NA	
FQ[n] Fiscal Quarter	reported p	eriod, -1 for	FY1	Next Fiscal Year	NULL:NANE	D	displays #N/A ND	
FI[n] Fiscal Interim	previous p	eriod and 1 for	FY-1	Previous Fiscal Year	NULL:SKIP		skips line if no data for at	least one instrument
FS[n] Fiscal Semi-Annual	next period	d)	FQ0	Last Fiscal Quarter	NULL:PREV	IOUS	duplicates value of the pr	evious data point
CY[n] Calendar Year			FI	Fiscal Interim	NULL:NEXT	r	duplicates value of the fo	llowing data point
			FS	Fiscal Semi-Annual	Scale Param	neter		Chain Instruments
Absolute Periods			CY	Calendar Year	0 No 9	No Scaling		e.g. 0#.DJA, 0#.FTSE, 0#.STOXX, 0#.NDX, 0#.N225
FY[YYYY] e.g. FY2014, FY2012 LTM Last Twelve Months		3 Scale the value into thousands		housands	(.FTSE is the RIC of FTSE100 index, while 0#.FTSE gives all the RICs for the index constituents)			
CY[YYYY] e.g. CY2013			NTM	Next Twelve Months	6 Sca	5 Scale the value into millions		
[q]FQ[YYYY] Fiscal Year/quarter e.g	g. 3FQ2013				9 Sca	le the value into b	illions	
[s]FS[YYYY] Fiscal Semi-Annual e.g	g. 2FS2013							
Eikon Formulae Shortcuts					Useful ISO 0	Codes		
=RIC Identifier lookup	1	CTRL - Selects top	o hit		Australian D	Dollar AUD		
=DI Data Item lookup	ļ	TAB - Moves to ne	xt argume	ent	British Poun	nd GBP		
=ANS Answers your question	on (Enter - Commits f	unction		Canadian D			
=TR Formula builder	,	Esc - Exits out of a	ssistant		Canadian Do	ottar CAD		
Basic Eikon Formula					Chinese Yua	an CNY		
TR(Instrument(s), Data Item(s), Par	rameters(s))				Danish Kron	ner DKK		
"=TR("MSFT.O","TR.TotalRevenue"	,"Period=FY0	")			Euro	EUR		
displays Microsoft's most recent fiscal year total revenue.			Hong Kong I	Dollar HKD				
Advanced Elkon Formula			Japanese Ye	en JPY				
TR(Instrument(s), Data Item(s), Parameters(s), Destination cell, Cell references)				Swedish Kro	onor SEK			
"=TR("MSFT.O","TR.Revenue","Per	riod=#1 Scale	=#2 Curn=#3 CH= Fd	i", <mark>\$</mark> A \$1, B1	.C1,D1)	Swiss Franc	CHF		
displays : Microsoft's Revenue for the period in cell B1, scaled to the number in C1 converted to currency in D1 , with column header. The output is shown in cell \$A\$1			US Dollar	USD				

1. Basics to Eikon Excel

Overview

In order to access Eikon Excel, one should open the Thomson Reuters - Microsoft Excel application and do the following.

In the Thomson Reuters tab, press on the Offline button to log in. Ensure that the button now shows online before proceeding.

Despite the many capabilities of the application, we will only focus on the core functions required for you to utilize.

On the Thomson Reuters Tab, the following can be seen



Key Functions Available in Eikon Excel

1. Data Retrieval

The data retrieval function could be used to retrieve real-time data and to generate tables containing a list of instruments and data items. (E.g. EPS of Apple)

2. How to build your own formula

Using the "Build Formula" button in the toolbar, one can use the application to customize their own formulas with different instruments, data items and specific parameters. Here, both real-time and historical figures can be retrieved.

3. How to screen for stocks

Similar to the SCREENER application in Eikon, one can use this application to generate a list of equities based on their filter preferences.

4. How to plot charts

Real-time charts with the ability to reflect real-time changes can be plotted with this function

5. How to use templates to generate more complex spreadsheets

Using the sample templates available in Eikon Excel, users who wish to prepare more sophisticated spreadsheets can now do so with ease.

How to Generate a Basic Table <=RIC> and <=DI>

Note that the positioning of where the information is entered is important. Hence, we would provide example cell numbers in order to illustrate the following.

Assuming you have a new spreadsheet open in Excel, the following steps could be observed in order to generate a list or table of data and instruments.

1. In Cell A2, (A3, A4 etc), enter the list of RICs (Reuters Instrument Code) you require.

Type "=RIC(" to pull up the following function and type in the instruments. Note that you can only enter one instrument per row. The code will also be hard coded and is not part of a formula.



2. In Cell B1 (C1, D1 etc), enter the list of Data Items you require.

Type "=DI(" to pull up the following function and type in the data items (e.g. EPS, Dividend). Note that you can only enter one Data item per row.



3. After keying in all your required instruments and data items, right-click in cell B2 and select <Thomson Reuters SpeedData> for the results to appear as follows.

	TR.TotalRevenue	TR.CompanyMarketCap	TR.RepEPSMean
STEL.SI	16961200000	61297552416	0.25019
DBSM.SI	NULL	39225098942	1.72953
STAR.SI	2444300000	6174211233	0.2005
MONE.SI	1157196000	2361796484	0.18769
OCBC.SI	NULL	34730446296	0.87755
С	NULL	1.26672E+11	4.70414

4. To "refresh" the table to make new figures appear for every RIC or DI entered, there are two ways to do so:

A: Right Click in B2 and repeat Step 3 to make the figures appear again

B: Press F2 after selecting B2 and drag the formula box to include the new RICs and DI

Please refer to the next page for another method to create the list.

How to use the <=TR> function on Excel

Users who wish to create a more complex list or table may find the above example a little tedious. Hence, there is another method, albeit more complicated, that could be used.

1. In any empty cell, type "=TR(" to pull up the following.



2. To start off, we would choose different instruments (E.g. AAPL.O for Apple and GOOG.O for Google), pressing enter after each instrument.

3. To continue to the Data Items, press the TAB button

4. Enter different data items (e.g. Total Revenue, Company Market Cap), separating each item by pressing enter.

5. Moving on to the period parameter, first type <PERIOD> and hit enter, type in FY0

6. In order to make the Column and Row Headings appear, press enter after deciding the period and type **<CH>** and **<RH>** and select Field and Instruments respectively.

This would generate a formula similar to the following

=TR("GOOG.O;AAPL.O", "TR.TotalRevenue;TR.CompanyMarketCap;TR.BasicNormalizedEps", "Period:FY0 SDate:0CY EDate:-1AW; CH:Fd; RH:In")

Updated at 16:38:09	Total Revenue	Company Market Cap	Basic Normalized EPS
GOOG.O	66001000000	5.28448E+11	20.59118
GOOG.O	66001000000	5.16205E+11	20.59118
GOOG.0	66001000000	5.17176E+11	20.59118
GOOG.0	66001000000	5.16782E+11	20.59118
GOOG.0	66001000000	5.04557E+11	20.59118
GOOG.0	66001000000	4.96985E+11	20.59118
GOOG.0	66001000000	4.98263E+11	20.59118
GOOG.0	66001000000	5.05931E+11	20.59118
GOOG.0	66001000000	4.88298E+11	20.59118
GOOG.0	66001000000	4.97236E+11	20.59118
GOOG.0	66001000000	4.8308E+11	20.59118
GOOG.O	66001000000	4.8308E+11	20.59118

Also, the table will be refreshed when you press the **<Refresh All Workbooks>** button in the Thomson Reuters Toolbar.

How to use Eikon Answers on Excel <=ANS>

Alternatively, in order to generate an active formula, instead of a hard code, one can type **<=ANS>** with your requirements, similar to how Eikon Answers works on Eikon.

1. Type "=ANS(" in any empty cell to pull up the following function

=ANS	
=ANS(Free Text)	

2. In the free text area, specify the companies and data items needed, leaving a space between each item. (e.g. UOB DBS OCBC Company Market Cap) or (e.g. UOB DBS OCBC EPS)

3. This would automatically correct into a function and display the results in a table, with an underlying active formula as shown below.

Updated at 17:51:57	Company Market Cap
UOBH.SI	29330412700
DBSM.SI	39331170914
OCBC.SI	34745247757

Real-Time Data with Formula Builder

One last way to retrieve real-time data is to utilize the Formula Builder Application, by pressing on the **Suild Formula>** icon in the Thomson Reuters toolbar.

1. Insert the RIC that you require

2. Insert the data item you wish to inquire about. Note that the code for the last-trading price is <CF_Last>

3. Press Insert.

😑 FORMULA BUILDER				= ×
Instruments: STEL.SI Search Instruments				TR
🔻 DATA ITEMS 🗱 🛃 Interval: Daily 🗸	Search Data Items			ER
Favorites (2)	Net Chng	Description	Paramet	
▶ Real Time (3882)	Ask	Parameters:		
Cross Asset (17)	Bid	Sor	t Order	DESC
Equity (58)	Last	R	T Feed	IDN 🗸
Equity Derivatives (34)	Close			
Fixed Income (60)	Tick			
Bond Derivatives (46)	Currency			
Credit Derivatives (54)	Source			
FX & Money (26)	High			
FX Derivatives (30)	Low			
Interest Rate Derivatives (24)	Add All (17)	-		
Selected Items: CF_LAST Drag to Reorder				
=TR("STEL.SI","CF_LAST ")				Layout Clear All
Consolidate Formulas 👔 🔲 Add data fie	Ids as cell references 🖬 Update Frequency			Insert

Alternatively, enter the following =TR("STEL.SI","CF_LAST") for the figure.

2. Formula Builder

Method 1: Formula Builder manually

In order to enter data manually, you should do the following:

1. Enter the RIC (Instrument) required, and search for the data items either through the scroll menu at the side or by searching in the "Search Data Items" Bar.

😑 FORMULA BUILDER				≡ _ □ ×
Instruments: STELSI Search Instruments				TR
🔻 DATA ITEMS 👫 🛃 Interval: Daily 🗠	Search Data Items			R
Price & Volume (334)	Diluted Net Income	Description	Parameters & Quick	
 Reuters Fundamentals (1544) 	Diluted Weighted Average Shares	Parameters:		Series
General Information (42)	Diluted EPS Excluding Extraordinary Items	Last \vee 3	÷FY	~
Standardized Income Statement (297)	Diluted EPS Including Extraordinary Items	Roll Per	riods True	~
Standardized Balance Sheet (343)	Gross Margin, Percent	Align T	Type PrelimDate	~
Standardized Cash Flow (105)	Operating Margin, Percent	State Rsdt	\sim	
Income Statement KPIs (153)	Pretax Margin, Percent	Curre	ency Default	~
Balance Sheet KPIs (99)	DPS - Common Stock Primary Issue	Interim T	Type Single	~
Business and Geographic Segments (106)	Gross Dividends - Common Stock	Methodo	blogy InterimSum	\sim
Private Company Fundamentals (399)	Basic Normalized EPS	0	utout Value	V 1
Period End Ratios (1464)	Add All (297)			Show Less
Selected Items: TR.BasicNormalizedEps Dra				
=TR("STEL.SI", "TR.BasicNormalizedEps ","SDate	=0 EDate=-2 Period=FY0 Frq=FY CH=Fd;fperiod RH=IN",B2)			Layout
Consolidate Formulas 👔 📃 Add data fiel	ds as cell references 1 Update Frequency			Insert

2. After choosing the data item required, proceed to the "Parameters & Quick Functions" Tab to adjust the different Periods, Currency and data required.

3. After selecting the items, select layout to arrive at the following page. Here, edit the type of headings you require and view a preview screen at the bottom. Press Ok to insert an active formula in your destination cell.

😑 Layo	out					_ 0	×
AV	AILABLE HEADERS		COLL	JMNS (CH)		ROWS (RH)	
Fina	Date Calc Date Period End Date Currency ancial Period Relative	Drag	Financial F	Field Period Absolute		Instrument	
Incl	Include NULL parameter NA						
Destina	ation Cell: B2 🗙 🔣	i Go to Op					
		c					
2		Basic Norma	lized EPS	Basic Normalized	EPS	Basic Normalized EPS	5
3		FY2016		FY2015		FY2014	
4	STEL.SI						.22
							ОК

Method 2: Formula Builder through Cell Referencing

To build a formula through cell-referencing, one should first set up a table as shown below

	TR.EPSMean		
	FY2015	FY2016	FY2017
STEL.SI			
DBSM.SI			
STAR.SI			

Open the Build Formula application.

1. Instrument Cell Reference by selecting the 🗮 icon next to the instrument search bar

2. Data Item Cell Reference (Note that the Data Item should be entered through the TR convention)

3. In the parameters tab, change the financial period to the last option <CELLREF> and select "FY2015"

Note: the year has to be typed with no space in between FY and 2015

4. Change the Cell Reference to remove the "\$" in front of the alphabet signifying the column. Note that this is essential.

😑 FORMULA BUILDER				≡	_ 0	×
Instruments: \$A\$3:\$A\$5					T (R
🔻 DATA ITEMS 🐰 🗹 Interval: Daily 🗸					(R
Period End Ratios (1464)	Recommendation - Mean (1-5)	Description	Param	eters & Quick Funct		
Time Series Ratios (30)	Recommendation - Mean Label	Parameters:		l	Serie	es
I/B/E/S Estimates (12761)	Price Target - Mean		As of	1D	~ ?	2
Summary Estimates (714)	Long Term Growth - Mean	Output 0	Option	Select		- 11
Dotailod Ectimatos (729)	Revenue - Mean	Proprietary Data S	ource	ThomsonReuters		
	EBITDA - Mean	r topnetary Data a	ource	monsonkeuters		
Actuals (515)	EBIT - Mean	Financial	Period	B\$2	~ 3	
Summary Estimates (KPIs) (1307)	Operating Profit - Mean		Lag		\sim	- 11
Detailed Estimates (KPIs) (1568)	Pre-Tax Profit - Mean	Roll P	eriods	TRUE	\sim	- 11
 Actual (KPIs) (1156) 	Net Income - Mean	Aliar	1 Type	PrelimDate	\sim	- 11
StarMine SmartEstimates (807)	Earnings Per Share - Mean	Concoli	dation	Consolidated	×	- 11
Estimate Ratios (147)		Consoli	uation	Consolidated		- 11
Selected Items: TR.EPSMean Drag to Reorde		<u> </u>	ropeu	Dofault	\sim	
=TR(\$A\$3:\$A\$5, <mark>\$B\$1,"</mark> Period=#1",,B\$2)					Layout	
					Clear All	
Consolidate Formulas i Add data field	ds as cell references i Update Frequency				Insert	

5. Go to layout and remove all the fields, as shown below. Under the Destination Cell, press "x" to delete any destination cell selected by default.

😑 Layout		×
AVAILABLE HEADERS	COLUMNS (CH)	ROWS (RH)
Field Drag Instrument Calc Date Date Reset Einancial Period Absolute Financial Period Relative Currency Date NULL parameter		
Sorting Order: + i Drag to Reorde		
	A	
		ОК

6. To create the table, drag the formula to cover all the necessary cells.

3. Screener

The screener application on Eikon Excel is largely similar to that on Eikon itself, with a similar interface and design.

Press the Screener button in the Eikon Toolbar.

Adjust all the necessary fields, including the currency and universe (type of companies).



Generate a table that will look like the following by pressing "Insert Screen"

Company Common Name	Country of Exchange	Company Market Cap
Tiong Seng Holdings Ltd	Singapore	81433429.62
Global Palm Resources Holdings Ltd	Singapore	44205197.11
Bund Center Investment Ltd	Singapore	426673773
ES Group (Holdings) Ltd	Singapore	12508489.59
Smartflex Holdings Ltd	Singapore	18574900.34
Leader Environmental Technologies Ltd	Singapore	22781965.16
Yamada Green Resources Ltd	Singapore	35323375.57

4. Charting

Plot charts on Eikon Excel through the **Charts** button in the Toolbar using a similar interface to that of the F10 shortcut.

After specifying the range of cells to insert the chart component and the range of cells to be linked (if any), you will be prompted with the below page.

Insert Analysis		X	
Ease of Movement Envelopes - Percentage Equivolume Hedge Ratio Ichimoku Kinko Hyo Indexed Price Performance / Rebai Inverse Kagi Kairi Keltner Channels Line Linear Regression Indicator Linear Regression Slope MACD MACD Forest Majority Rule Market Profile Median Price Mike Base Mike Medium Mike Strong Mike Weak Momentum Money Flow Index	General Display Level Lines	Event Markers	
Click here to customize the Analysis List.		Add Cancel Help	

Here, you can select the line you want to plot, as well as insert any analysis necessary.

To return to this page after inserting the chart, press on the **Charts** button in the toolbar once again and click on Manage Charts > Insert Analysis.

You should be able to view a chart as follows.



Note that the date as well as the time zone can be customized to your needs as well

5. ISIN to RIC

Using Microsoft Excel, one is able to translate the ISIN of different instruments to the RIC as stated on Eikon.

1. In Eikon Excel, ensure that the two different ISIN code (or Sedol codes) are in different cells.

GB00BH4HKS39 US4592001014

2. Open the Formula Builder through the Eikon Toolbar.

😑 FORMULA BUILDER			= ×
Instruments: \$A\$6:\$A\$7			T R
🔻 DATA ITEMS 🚼 🔟 Interval: Daily 🗸	ric		R
Top Matches (20)	RIC	Description	Parameters & Quick Functions
 Real Time (15) 	RIC	RIC	*
Reference & Identifiers (11)	Primary Quote RIC	[TR.RIC]	
Price & Volume (2)	Stock RIC	VOD.L; IBM.N (GBC	00BH4HKS39; US4592001014)
Period End Ratios (5)	Stock RIC	Definition: Reuters Instrument (Code consolidated with RICCode
I/B/E/S Estimates (4)	Stock RIC		
Equity Index Information (3)	Stock RIC	Date: 02/08/1992; 03/23/1990	
 Lipper Funds (2) 	Return On Invested Capital - Mean	RICCode; Reuters In	strument Code consolidated with
Covernment/Corporate Read (10)	RIC Code	RICCode	
Government/Corporate Bond (10)	Primary RIC	Display Name: RIC;	RIC
US Municipal Bond (1)	Lipper RIC		
Single Name CDS (7)	Add All (20)		
Selected Items: TR.RIC Drag to Reorder			
=TR(\$A\$6:\$A\$7,"TR.RIC ","CH=Fd RH=IN CODE	=ISIN")		Layout
			Clear All
Consolidate Formulas E Add data fiel	ds as cell references 1 Update Frequency		Insert

3. Use the cell reference feature to link the cells to the instruments as required.

4. Tick the box next to the "Symbol Type" and select the type of code currently used (e.g. ISIN)

CELL REFERENCE			×
Instruments:	\$A\$6:\$A\$7		
🗹 Symbol Type	ISIN		
	Select Ca	ncel	

5. The RIC would then be generated as follows.

Updated at 10:07:23		
		RIC
	GB00BH4HKS39	VOD.L
	US4592001014	IBM.N

Alternatively, users can translate ISIN codes into Lipper RICs as well.

1. After opening the Formula Builder, select the Identifiers > Lipper RIC

😑 FORMULA BUILDER			:	≡ _ □ ×
Instruments: \$A\$2				TR
🔻 DATA ITEMS 🚼 🛃 Interval: Daily 🗸	Search Data Items			R
Real Time (3882)	Trading Symbol	Description	Parameters & Quick Fi	unctions
 Reference & Identifiers (210) 	Primary RIC	Parameters:		
General Information (36)	RIC Code		Output Value	∨ i
Identifiers (38)	SEDOL Code			
Reference (3)	SIC Conference Scheme			
Index Membership (2)	Sicovam			
	Issuer Ticker			
Business Sector Membership (2)	Underlying Issuer Org ID			
Organization Descriptive Data (98)	Valoren			
Instrument Descriptive Data (14)	Wert			
Quote Descriptive Data (12)	Lipper RIC			
Officers and Directors (5)	Add All (38)			
Selected Items: TR LipperRICCode Drag to F				
				1 minut
	CODE=ISIN",C3)			
				Clear Air
Consolidate Formulas 🚺 🔲 Add data fiel	Ids as cell references i Update Frequency			Insert

2. After cell-referencing as shown above, click insert and the following codes will be generated.

Updated at 10:07:23		
		Lipper RIC
	US04315J2096	LP40050069